

=> fil reg  
FILE 'REGISTRY' ENTERED AT 09:47:49 ON 14 OCT 2004  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 13 OCT 2004 HIGHEST RN 762228-78-4  
DICTIONARY FILE UPDATES: 13 OCT 2004 HIGHEST RN 762228-78-4

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> d que 117  
L1 67 SEA FILE=REGISTRY [RNATV] F[MITRAS] [RHECSD] [HFY] W[ETAFS] [GQTAD] [  
FQL] /SQSP  
L2 28 SEA FILE=HCAPLUS L1  
L3 923 SEA FILE=HCAPLUS LANE D?/AU  
L4 11 SEA FILE=HCAPLUS BOTTGER V?/AU  
L5 58 SEA FILE=HCAPLUS BOTTGER A?/AU  
L6 29 SEA FILE=HCAPLUS PICKSLEY S?/AU  
L7 44 SEA FILE=HCAPLUS HOCHKEPPEL H?/AU  
L8 118 SEA FILE=HCAPLUS ("GARCIA ECHARRI A"/AU OR "GARCIA ECHEVERRIA"/  
AU OR "GARCIA ECHEVERRIA C"/AU OR "GARCIA ECHEVERRIA CARLOS"/AU  
OR "GARCIA ECHEVERRIA CARLOS GARCIA"/AU)  
L9 42 SEA FILE=HCAPLUS CHENE P?/AU  
L10 120 SEA FILE=HCAPLUS FURET P?/AU  
L11 6 SEA FILE=HCAPLUS L2 AND ((L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR  
L9 OR L10))  
L12 9 SEA FILE=HCAPLUS L2 AND (P53 OR P(A)53)  
L13 10 SEA FILE=HCAPLUS L2 AND MDM?  
L14 12 SEA FILE=HCAPLUS (L11 OR L12 OR L13)  
L15 TRANSFER L14 1-12 RN : 1349 TERMS  
L16 1349 SEA FILE=REGISTRY L15  
L17 25 SEA FILE=REGISTRY L1 AND L16

=> d sqide 117 1-25

L17 ANSWER 1 OF 25 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 595567-95-6 REGISTRY  
CN L-Leucine, L-methionyl-L-prolyl-L-arginyl-L-phenylalanyl-L-methionyl-L-  
α-aspartyl-L-tyrosyl-L-tryptophyl-L-α-glutamyl-L-α-  
aspartyl- (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE; STEREOSEARCH  
SQL 11

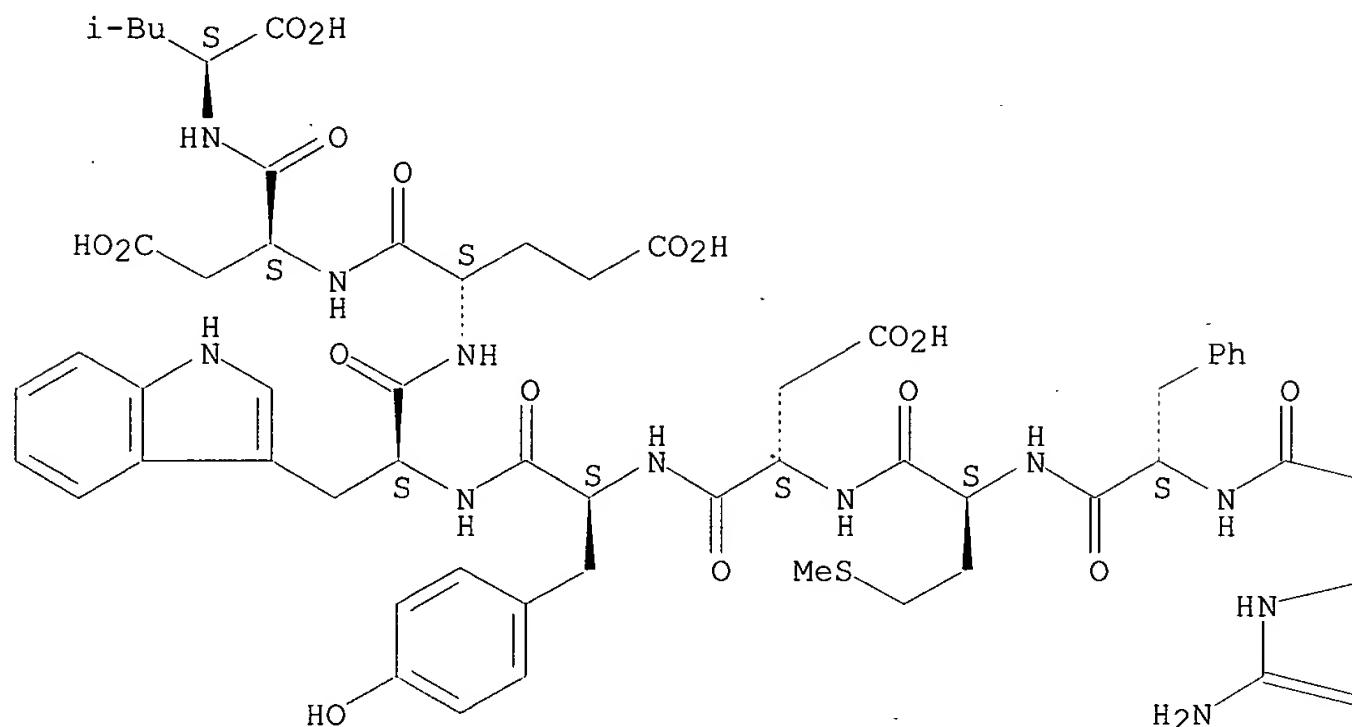
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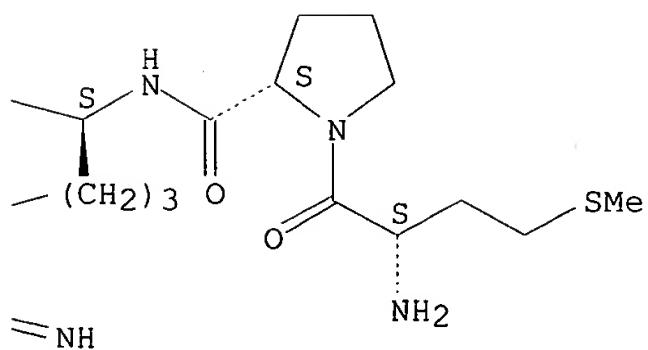
HITS AT: 3-11  
 MF C69 H95 N15 O19 S2  
 SR CA  
 LC STN Files: CA, CAPLUS  
 DT.CA CAplus document type: Journal  
 RL.NP Roles from non-patents: ANST (Analytical study); PROC (Process)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L17 ANSWER 2 OF 25 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 393113-25-2 REGISTRY  
 CN L-Asparagine, L-prolyl-L-arginyl-L-phenylalanyl-L-methionyl-L- $\alpha$ -aspartyl-L-tyrosyl-L-tryptophyl-L- $\alpha$ -glutamylglycyl-L-leucyl- (9CI)  
 (CA INDEX NAME)  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 11

SEQ 1 PRFMDYWEGL N

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HITS AT: 2-10

MF C66 H90 N16 O18 S

SR CA

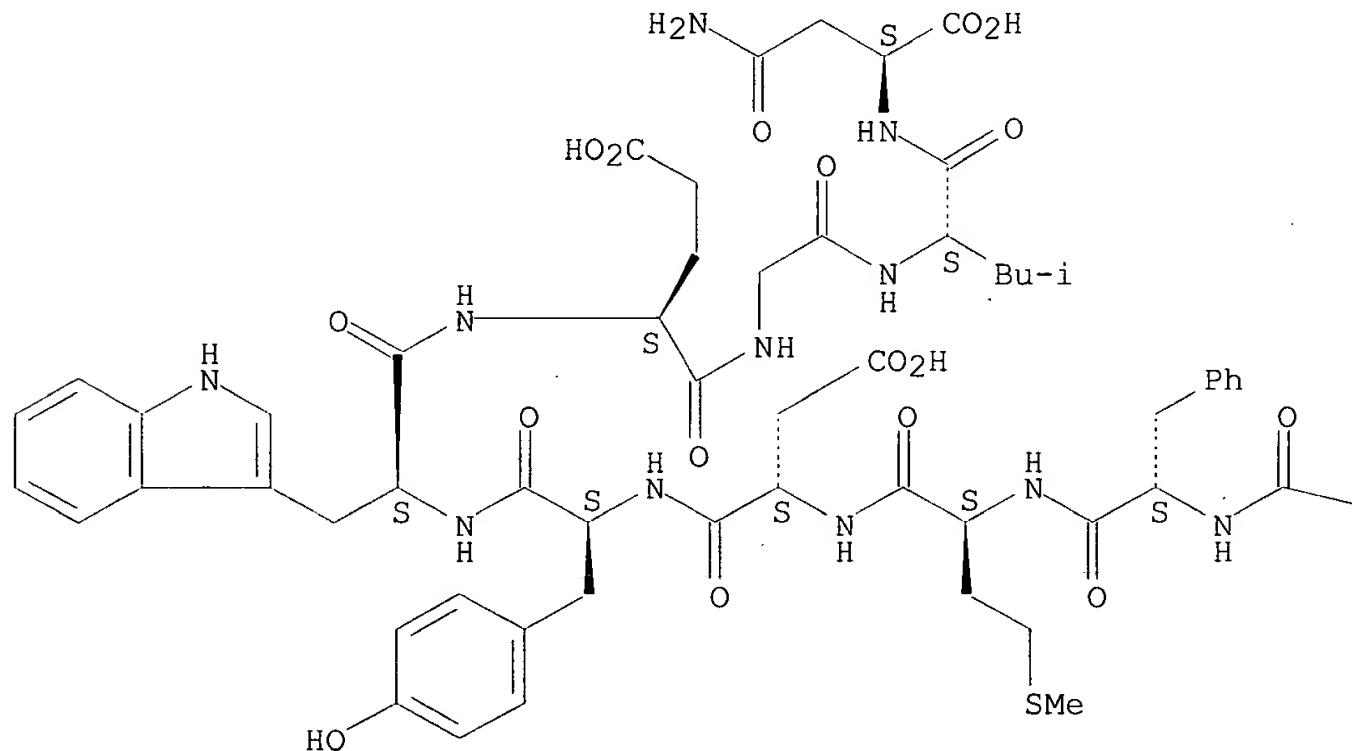
LC STN Files: CA, CAPLUS, TOXCENTER

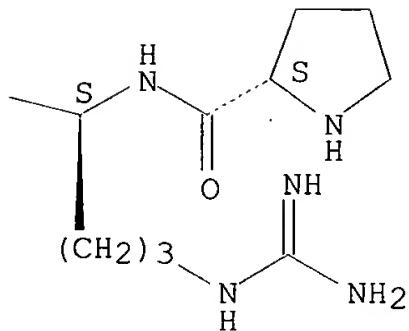
DT.CA CAplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.

PAGE 1-A





\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

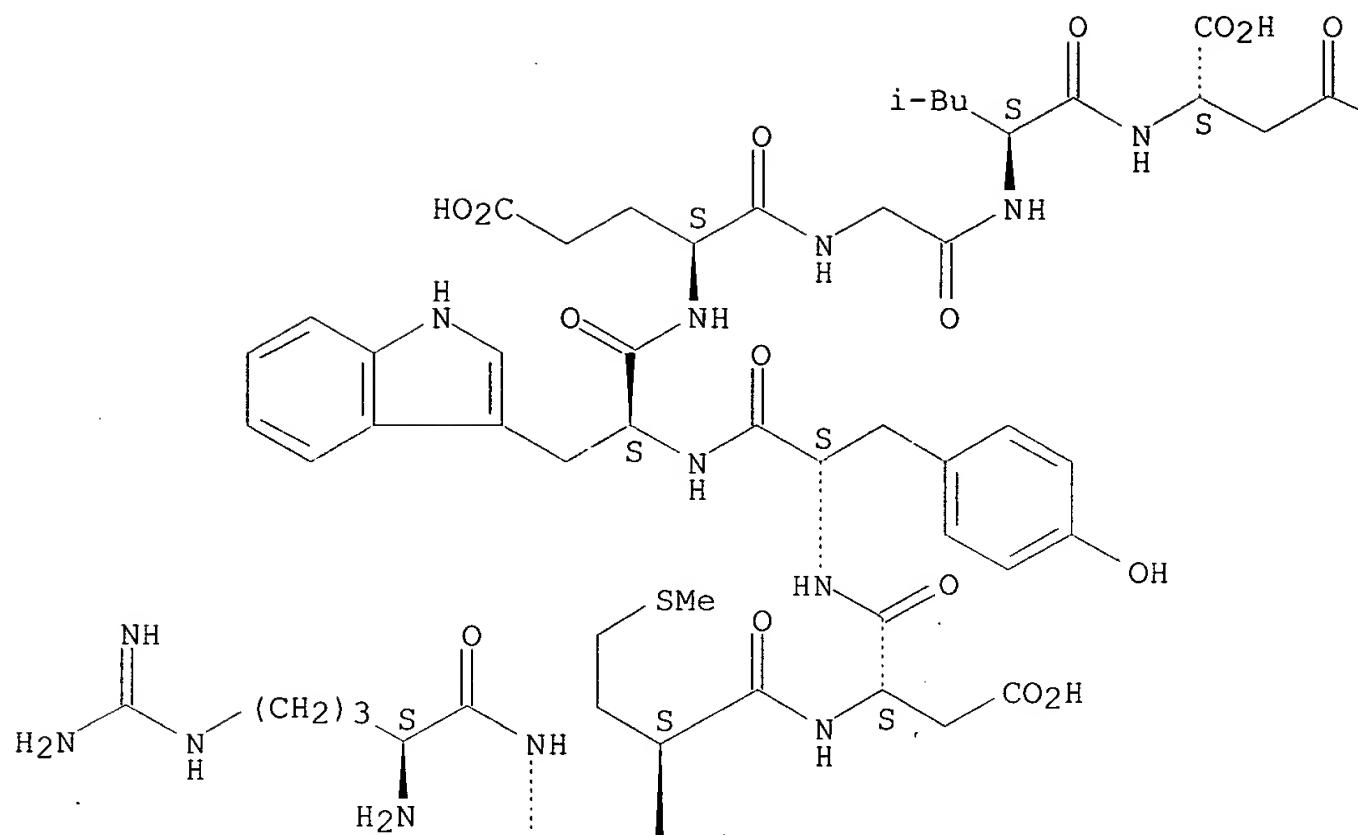
L17 ANSWER 3 OF 25 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN **393113-24-1** REGISTRY  
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 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 10

SEQ 1 RFMDYWEGLN  
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HITS AT: 1-9  
 MF C61 H83 N15 O17 S  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER  
 DT.CA CAplus document type: Journal  
 RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.

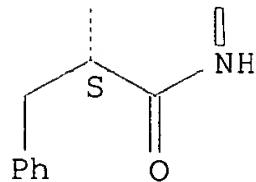
PAGE 1-A



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-NH<sub>2</sub>

PAGE 2-A



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L17 ANSWER 4 OF 25 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 393113-23-0 REGISTRY  
 CN L-Leucine, L-prolyl-L-arginyl-L-phenylalanyl-L-methionyl-L- $\alpha$ -aspartyl-L-tyrosyl-L-tryptophyl-L- $\alpha$ -glutamylglycyl- (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH  
SQL 10

SEQ 1 PRFMDYWEGL  
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HITS AT: 2-10

MF C62 H84 N14 O16 S

SR CA

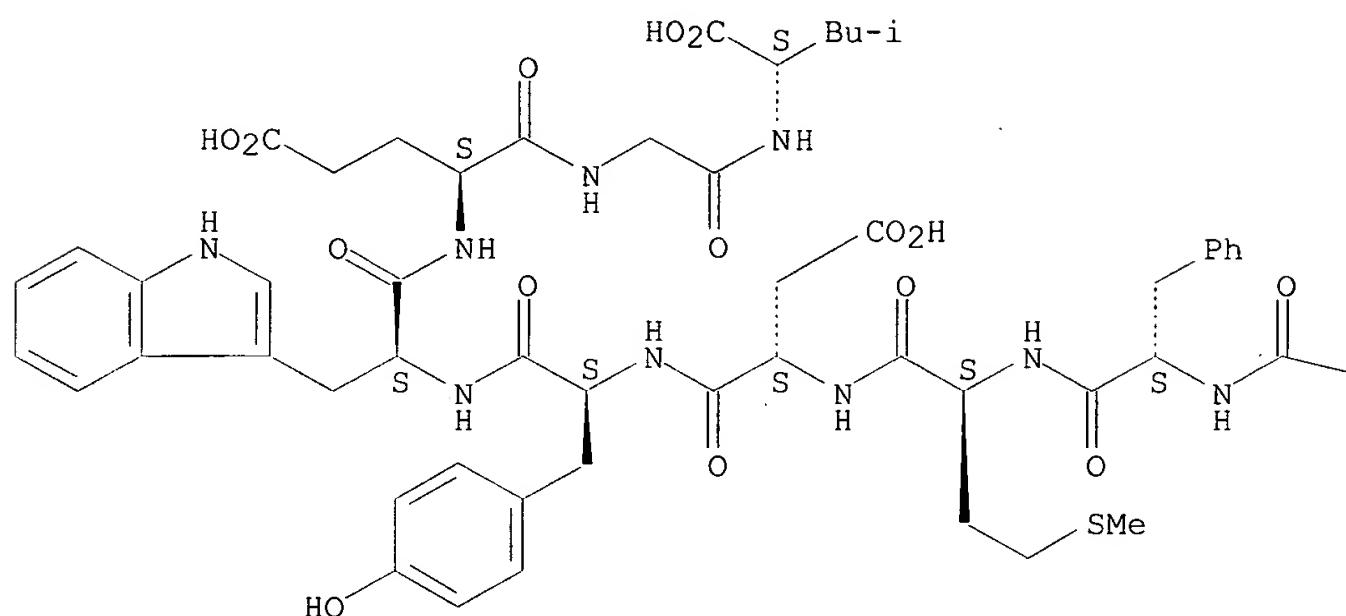
LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA CAplus document type: Journal

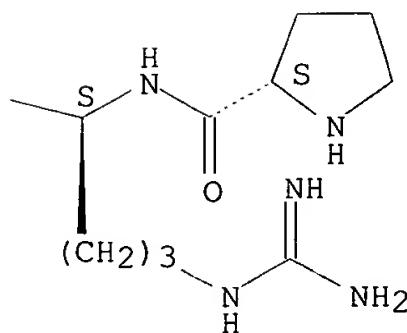
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L17 ANSWER 5 OF 25 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 393113-21-8 REGISTRY  
CN L-Leucine, L-arginyl-L-phenylalanyl-L-methionyl-L- $\alpha$ -aspartyl-L-tyrosyl-L-tryptophyl-L- $\alpha$ -glutamylglycyl- (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 2: PN: WO03095625 SEQID: 2 unclaimed protein  
FS PROTEIN SEQUENCE; STEREOSEARCH  
SQL 9

PATENT ANNOTATIONS (PNTE):

Sequence	Patent
Source	Reference
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Not Given	WO2003095625
	unclaimed
	SEQID 2

SEQ 1 RFMDYWEGL

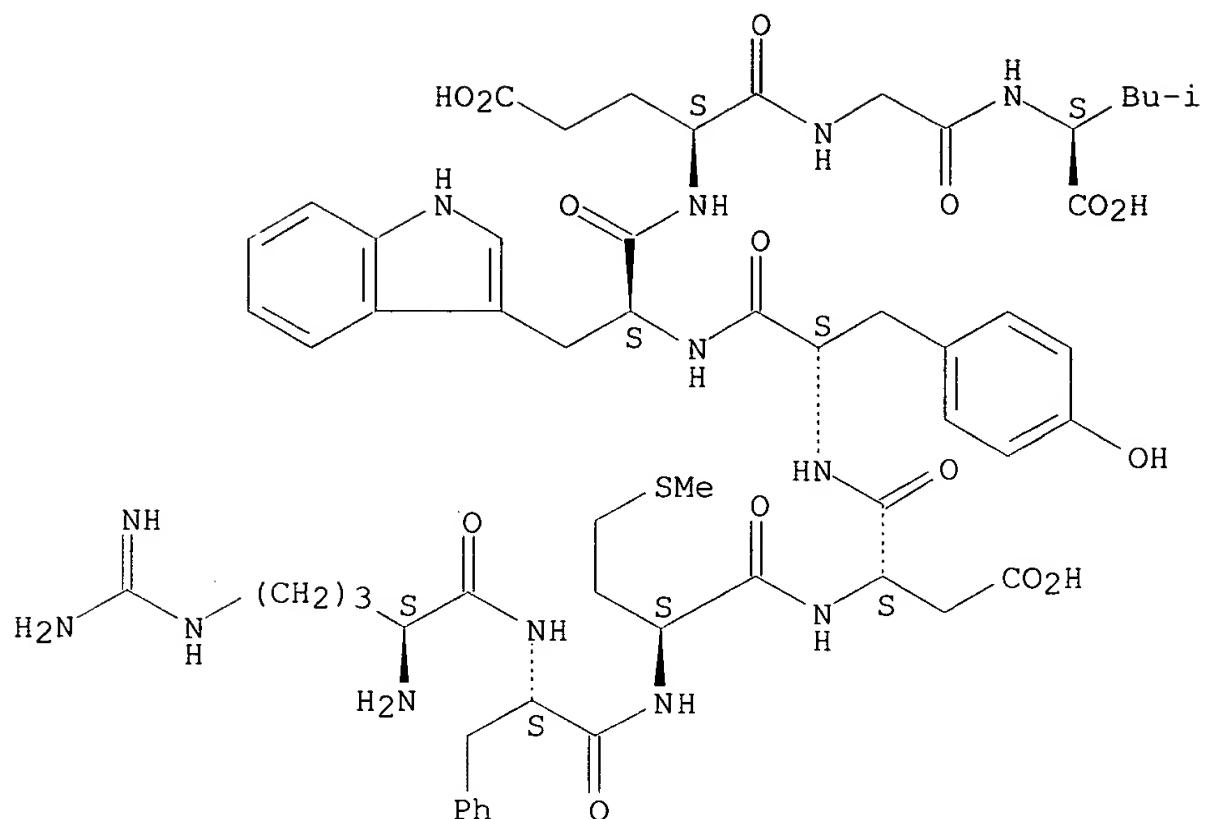
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HITS AT: 1-9

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

MF C57 H77 N13 O15 S  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER  
DT.CA CAplus document type: Journal; Patent  
RL.P Roles from patents: PRP (Properties)  
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L17 ANSWER 6 OF 25 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 227200-18-2 REGISTRY  
 CN L-Asparagine, L-methionyl-L-proyl-L-arginyl-L-phenylalanyl-L-methionyl-L-  
 α-aspartyl-L-tyrosyl-L-tryptophyl-L-α-glutamylglycyl-L-leucyl-  
 L-asparaginylglycyl-L-prolylglycyl-L-methionyl-L-proyl-L-arginyl-L-  
 phenylalanyl-L-methionyl-L-α-aspartyl-L-tyrosyl-L-tryptophyl-L-  
 α-glutamylglycyl-L-leucyl- (9CI) (CA INDEX NAME)  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 27

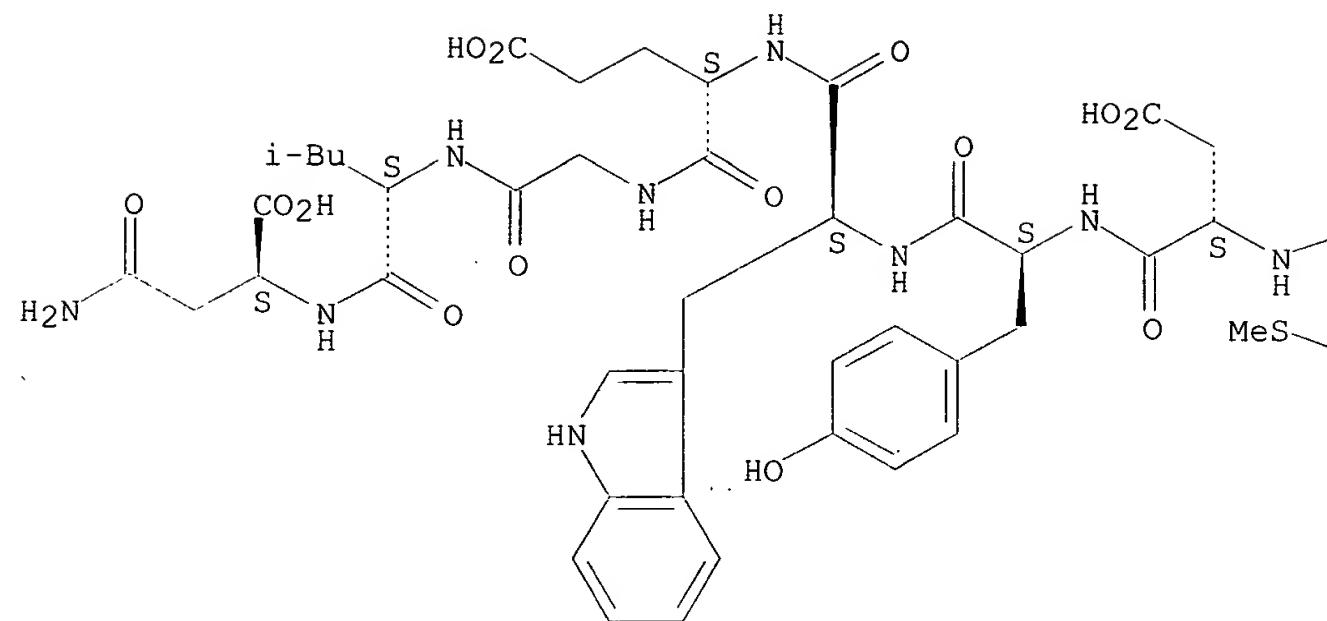
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HITS AT: 3-11, 18-26  
 MF C151 H209 N37 O40 S4

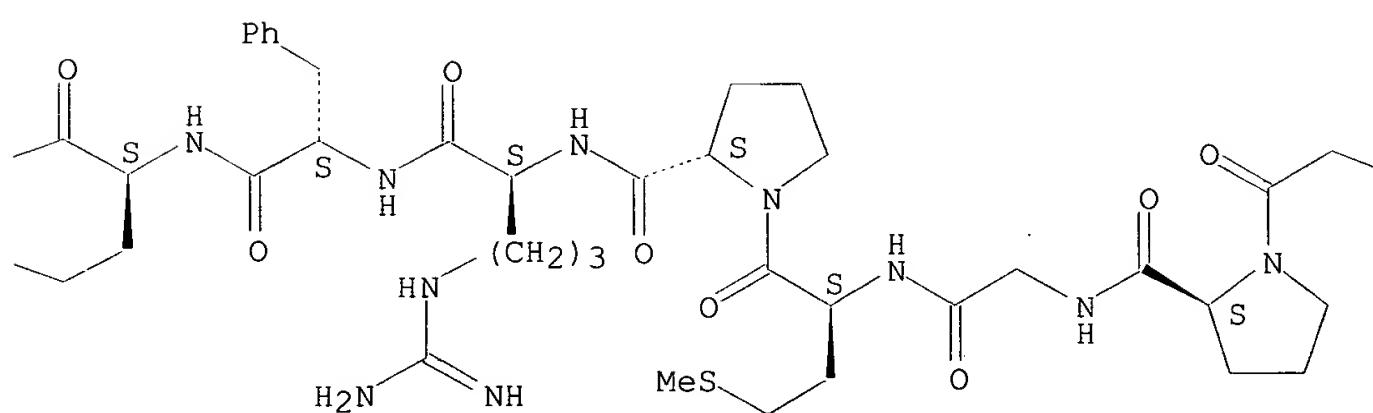
SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER  
 DT.CA CAplus document type: Journal  
 RL.NP Roles from non-patents: BIOL (Biological study); USES (Uses)

Absolute stereochemistry.

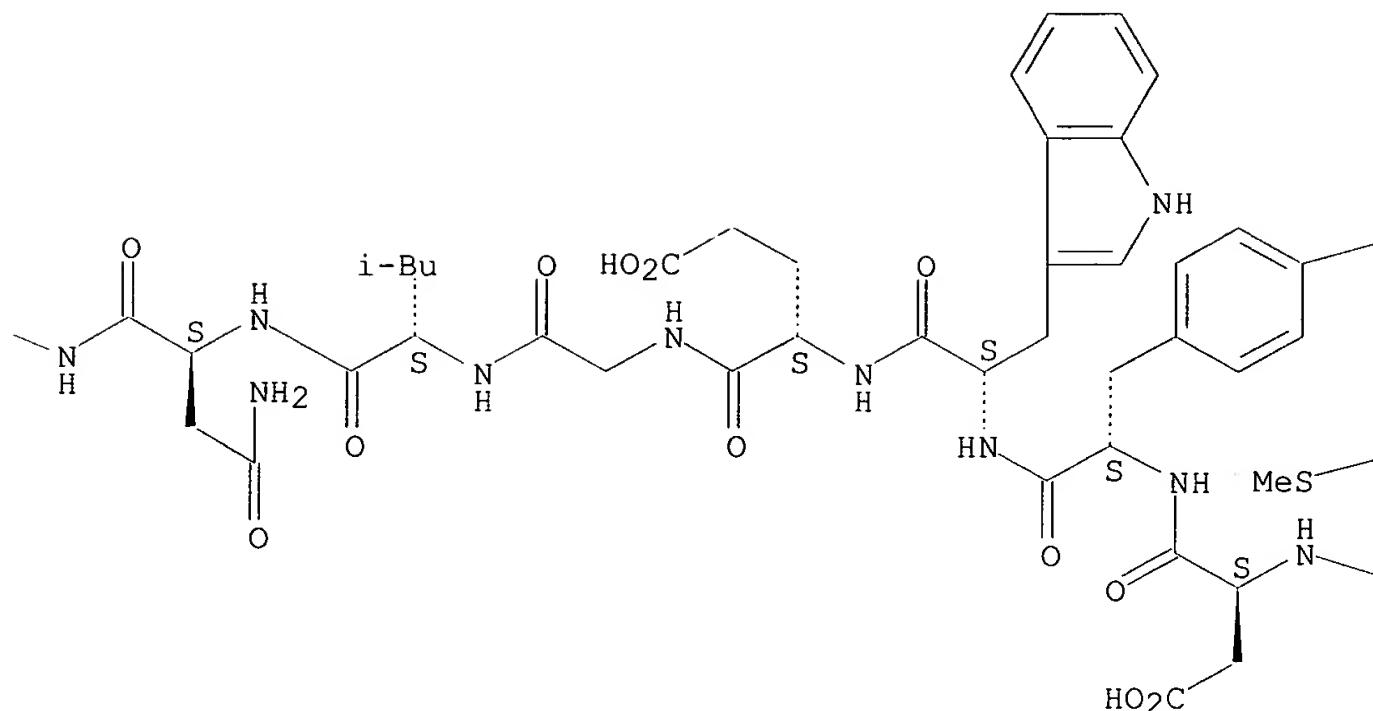
PAGE 1-A



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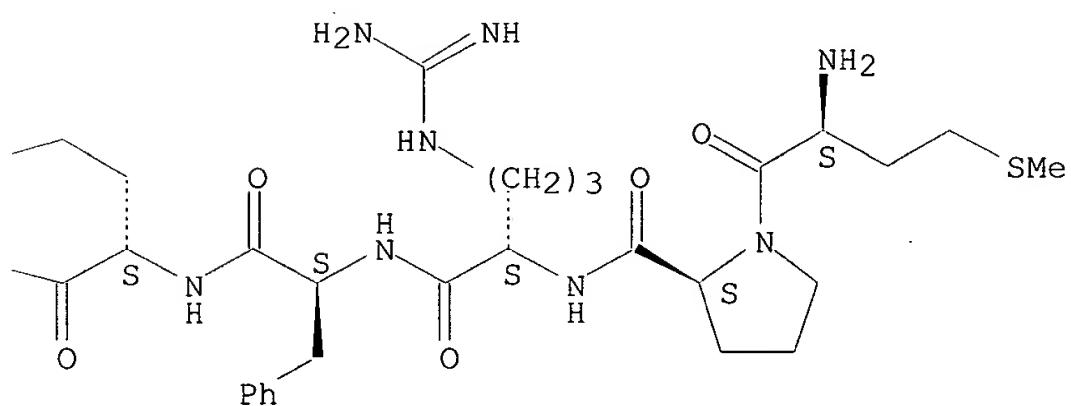


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- OH



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L17 ANSWER 7 OF 25 REGISTRY COPYRIGHT 2004 ACS on STN

RN 215295-80-0 REGISTRY

CN Glycine, L-prolyl-L-prolyl-L-leucyl-L-seryl-L-methionyl-L-prolyl-L-arginyl-L-phenylalanyl-L-methionyl-L- $\alpha$ -aspartyl-L-tyrosyl-L-tryptophyl-L- $\alpha$ -glutamylglycyl-L-leucyl-L-asparaginyl-L- $\alpha$ -glutamyl-L-asparaginyl- (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH  
SQL 19

SEQ 1 PPLSMPRFMD YWEGLNENG  
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HITS AT: 7-15

MF C101 H145 N25 O30 S2

SR CA

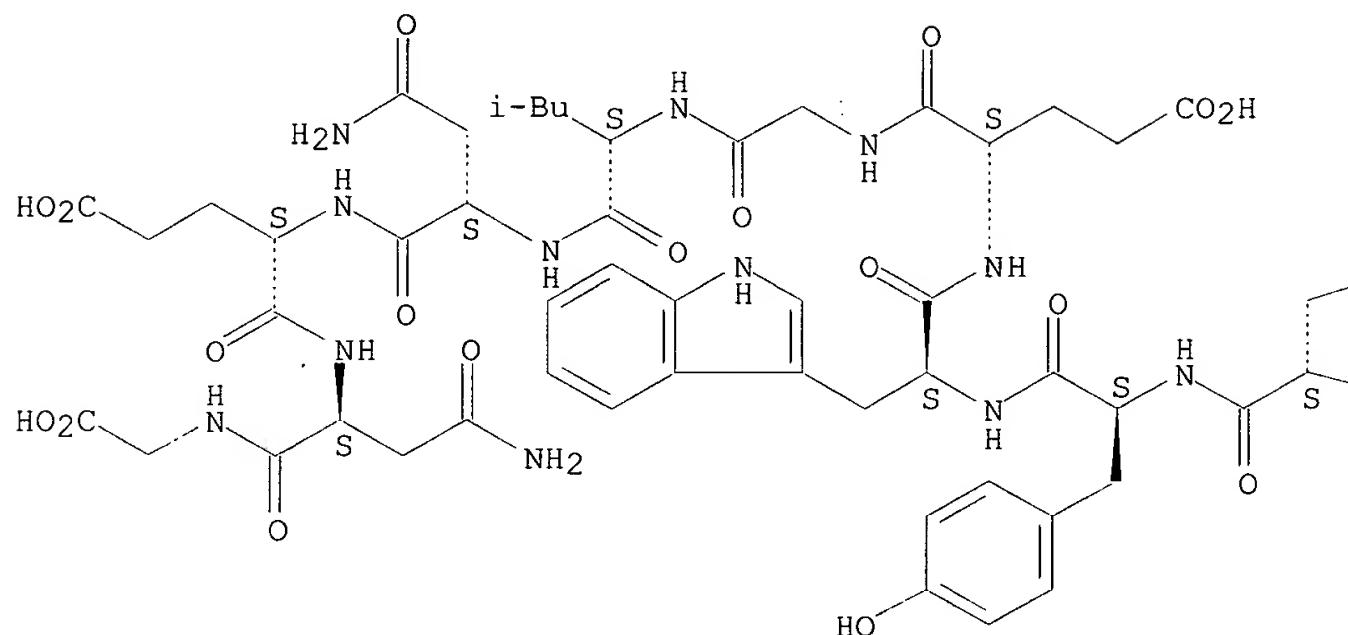
LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA CAplus document type: Patent

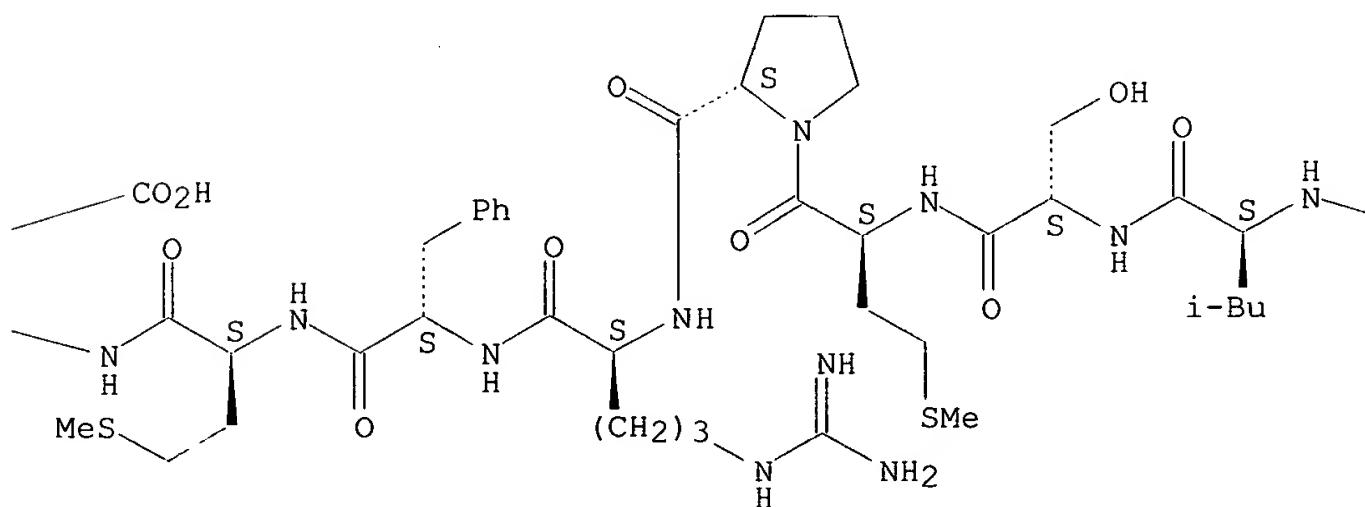
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)

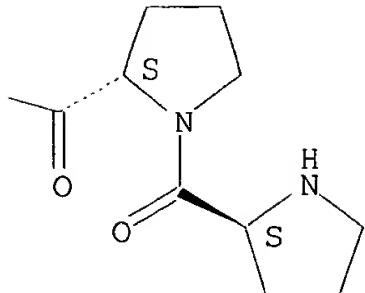
Absolute stereochemistry.

PAGE 1-A



PAGE 1-B





2 REFERENCES IN FILE CA (1907 TO DATE)  
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L17 ANSWER 8 OF 25 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 202075-45-4 REGISTRY  
 CN L-Lysinamide, N-[5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]-L-seryl-L-methionyl-L-prolyl-L-arginyl-L-phenylalanyl-L-methionyl-L- $\alpha$ -aspartyl-L-tyrosyl-L-tryptophyl-L- $\alpha$ -glutamylglycyl-L-leucyl-L-asparaginyl-L-arginyl-L-glutaminyl-L-isoleucyl-L-lysyl-L-isoleucyl-L-tryptophyl-L-phenylalanyl-L-glutaminyl-L-asparaginyl-L-arginyl-L-arginyl-L-methionyl-L-lysyl-L-tryptophyl-L-lysyl-, trifluoroacetate (salt) (9CI) (CA INDEX NAME)  
 FS PROTEIN SEQUENCE  
 SQL 29  
 NTE modified (modifications unspecified)  
 SEQ 1 SMPRFMDYWE GLNRQIKIWF QNRRMKWKK  
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 HITS AT: 4-12  
 MF C188 H285 N55 O41 S4 . x C2 H F3 O2  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
 DT.CA CAplus document type: Patent  
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

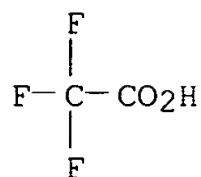
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CRN 208472-02-0  
 CMF C188 H285 N55 O41 S4  
 CCI MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2

CRN 76-05-1  
 CMF C2 H F3 O2



1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L17 ANSWER 9 OF 25 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 201984-97-6 REGISTRY  
 CN L-Leucinamide, N2-acetyl-L-arginyl-L-phenylalanyl-L-methionyl-L- $\alpha$ -aspartyl-L-tyrosyl-L-tryptophyl-L- $\alpha$ -glutamylglycyl-, trifluoroacetate (salt) (9CI) (CA INDEX NAME)  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 9  
 NTE modified

type	-----	location	-----	description
terminal mod.	Arg-1	-		N-acetyl
terminal mod.	Leu-9	-		C-terminal amide
modification	-	-		undetermined modification

SEQ 1 RFMDYWEGL

=====

HITS AT: 1-9

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

MF C59 H80 N14 O15 S . x C2 H F3 O2

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA CAplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

CM 1

CRN 201984-96-5

CMF C59 H80 N14 O15 S

Absolute stereochemistry.



terminal mod.	Lys-31	-	C-terminal amide
uncommon	Bal-17	-	-
uncommon	Bal-30	-	-
modification	-	-	undetermined modification
modification	Lys-31	-	undetermined modification

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SEQ 1 AAVALLPAVL LALLAPXMPR FMDYWEGLNX K  
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HITS AT: 20-28

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

MF C169 H266 N40 O40 S3 . x C2 H F3 O2

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA CAplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

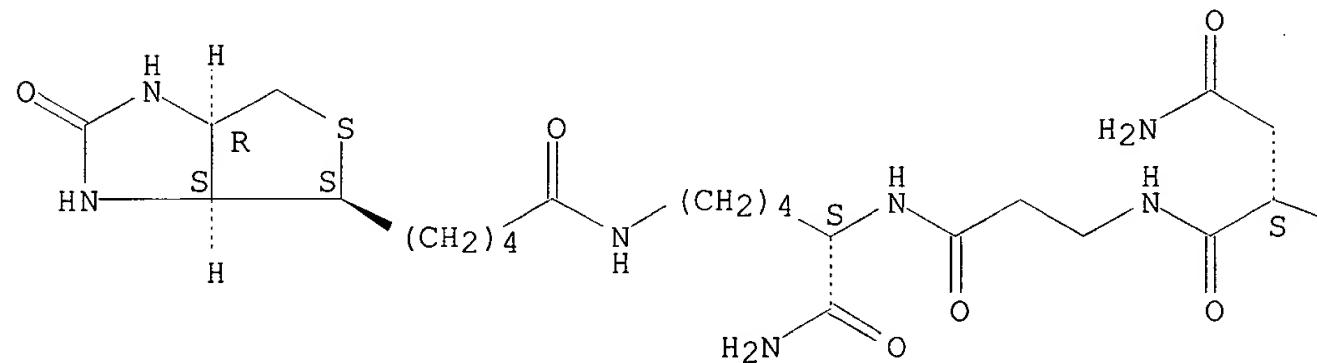
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CRN 201984-67-0

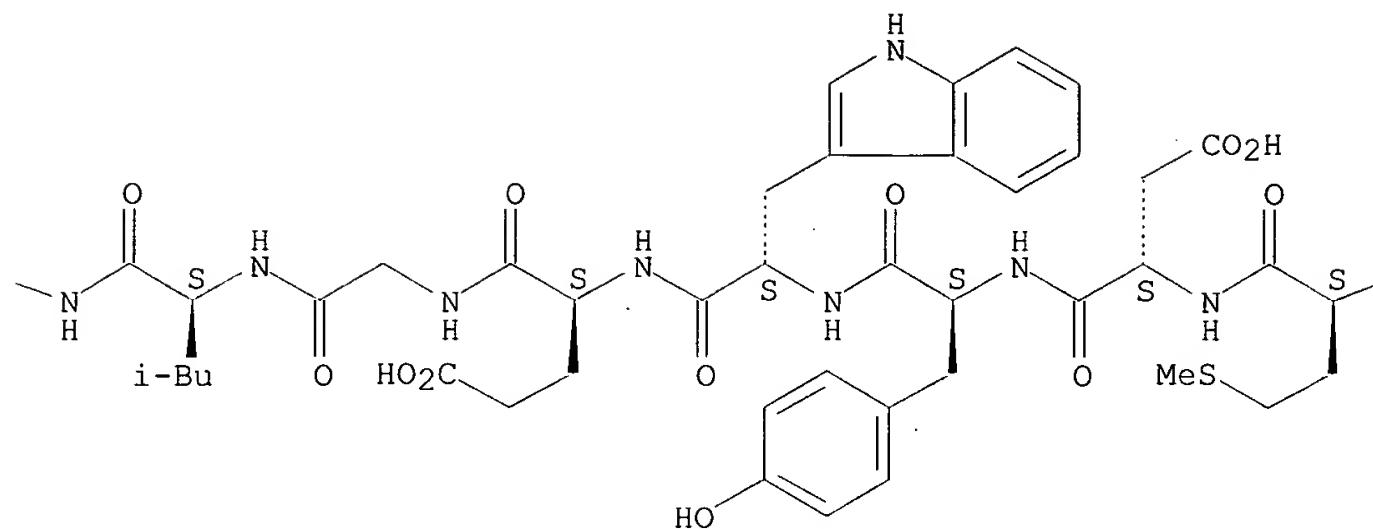
CMF C169 H266 N40 O40 S3

Absolute stereochemistry.

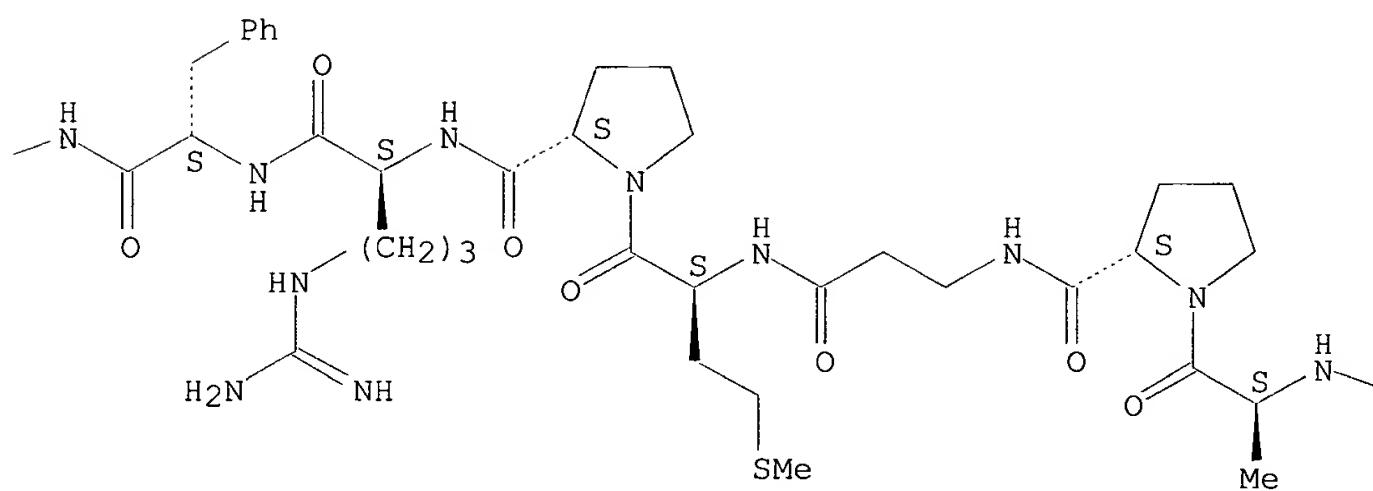
PAGE 1-A



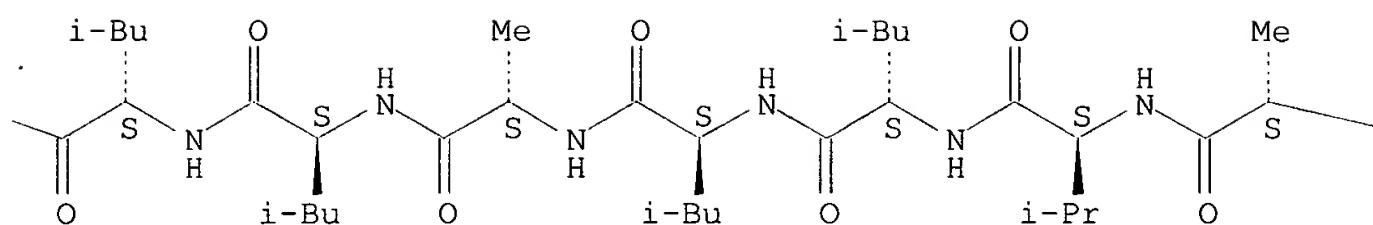
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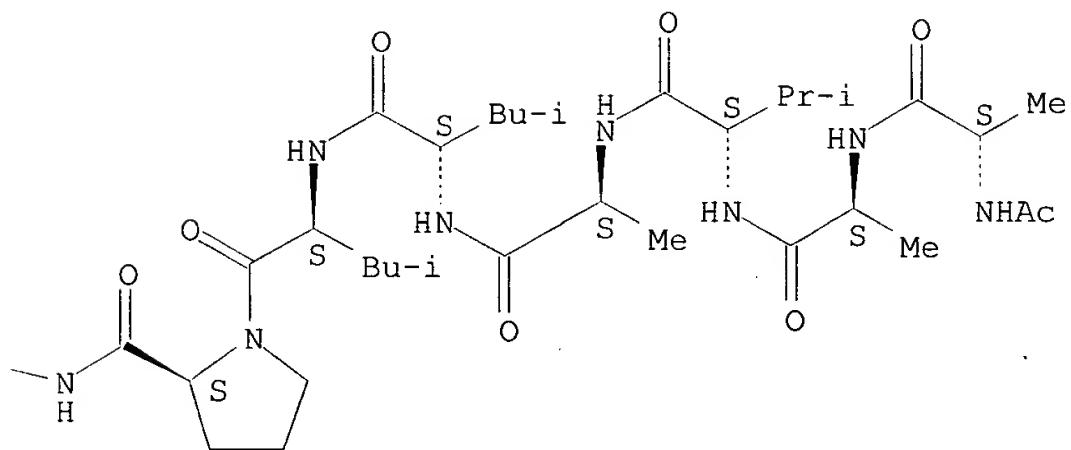
PAGE 1-C



PAGE 1-D

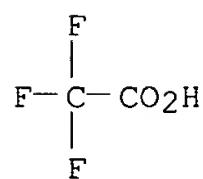


PAGE 1-E



CM 2

CRN 76-05-1  
CMF C2 H F3 O2



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L17 ANSWER 11 OF 25 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 201984-49-8 REGISTRY  
CN L-Aspartamide, L-methionyl-L-prolyl-L-arginyl-L-phenylalanyl-L-methionyl-L-  
α-aspartyl-L-tyrosyl-L-tryptophyl-L-α-glutamylglycyl-L-leucyl-  
, trifluoroacetate (salt) (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE; STEREOSEARCH  
SQL 12  
NTE modified

-----  
type ----- location ----- description  
-----  
terminal mod. Asn-12 - C-terminal amide  
modification - undetermined modification  
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SEQ 1 MPRFMDYWEG LN  
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HITS AT: 3-11

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

MF C71 H100 N18 O18 S2 . x C2 H F3 O2

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA CAplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES  
(Uses)

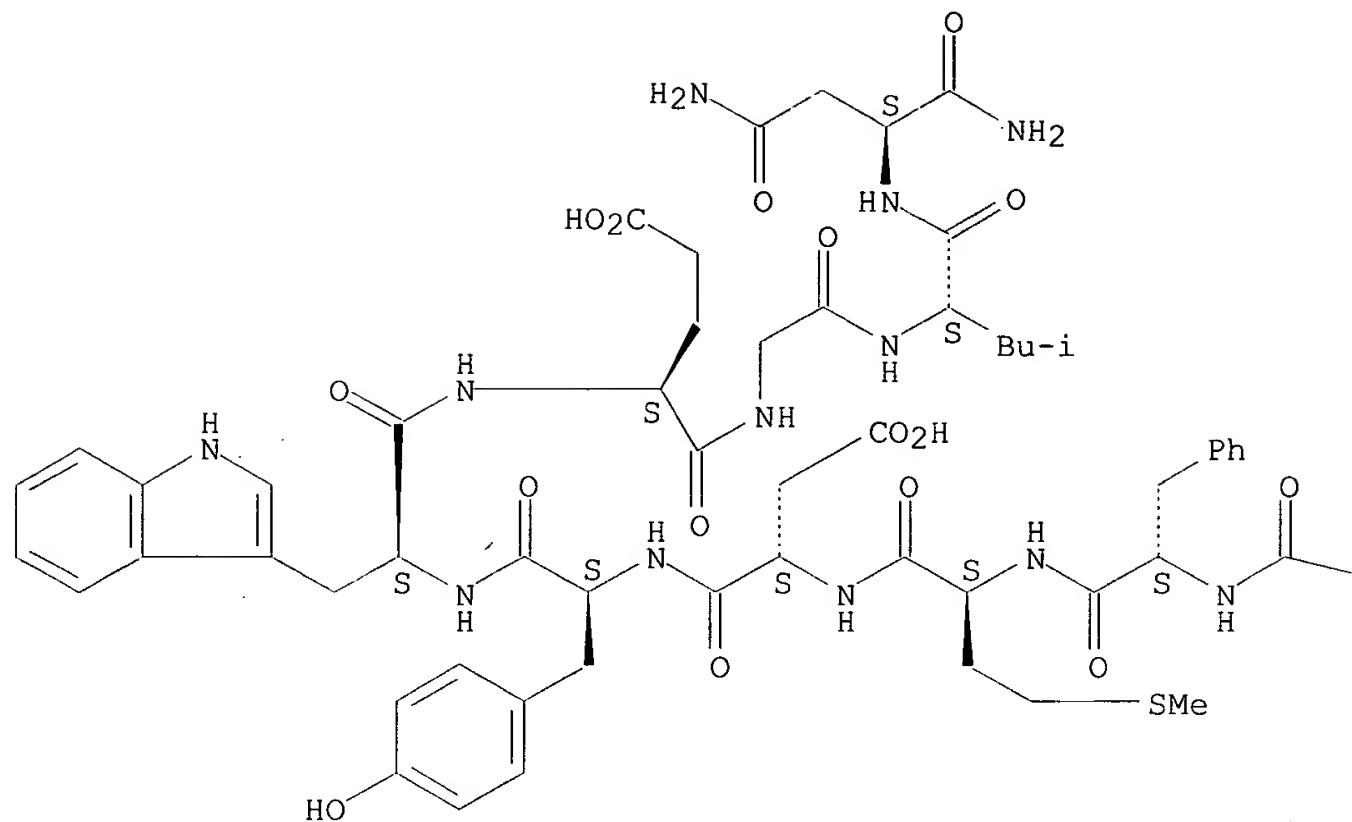
CM 1

CRN 201984-48-7

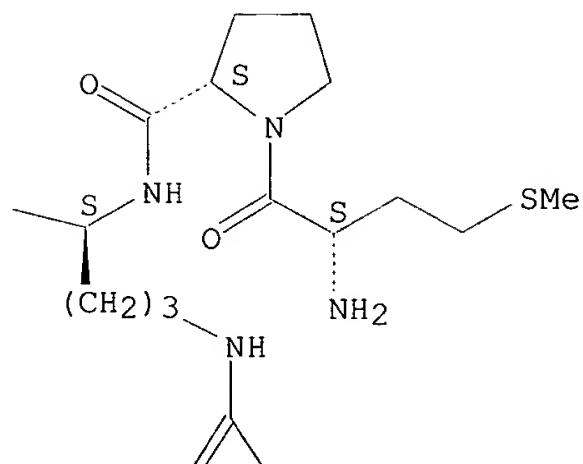
CMF C71 H100 N18 O18 S2

Absolute stereochemistry.

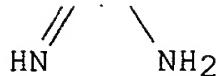
PAGE 1-A



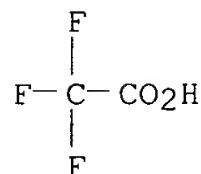
PAGE 1-B



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CM 2

CRN 76-05-1  
CMF C2 H F3 O21 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L17 ANSWER 12 OF 25 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 201984-47-6 REGISTRY  
 CN L-Phenylalaninamide, L-threonylglycyl-L-prolyl-L-alanyl-L-phenylalananyl-L-threonyl-L-histidyl-L-tyrosyl-L-tryptophyl-L-alanyl-L-threonyl-, trifluoroacetate (salt) (9CI) (CA INDEX NAME)  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 12  
 NTE modified

type	-----	location	-----	description
terminal mod.	Phe-12	-	-	C-terminal amide
modification	-	-	-	undetermined modification

SEQ 1 TGPAFTHYWA TF  
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HITS AT: 4-12

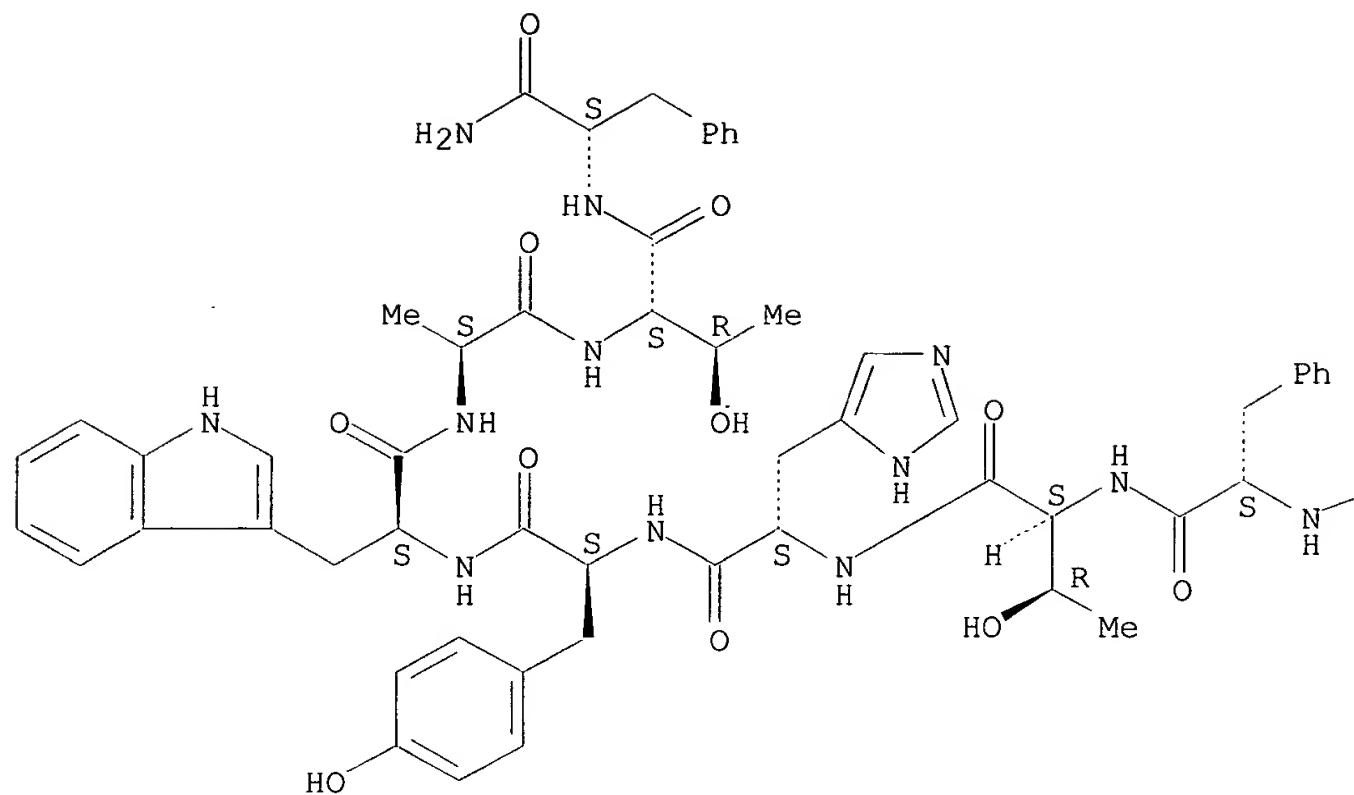
\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*  
 MF C69 H88 N16 O16 . x C2 H F3 O2  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
 DT.CA CAplus document type: Patent  
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

CM 1

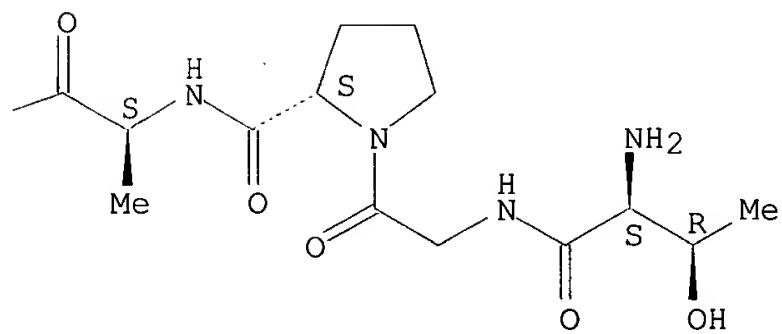
CRN 201984-46-5  
CMF C69 H88 N16 O16

Absolute stereochemistry.

PAGE 1-A



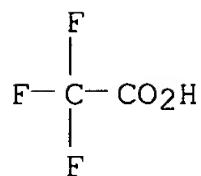
PAGE 1-B



CM 2

CRN 76-05-1

CMF C2 H F3 O2



1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L17 ANSWER 13 OF 25 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 201984-45-4 REGISTRY  
 CN L-Histidinamide, 1-acetyl-L-prolyl-L-alanyl-L-phenylalanyl-L-seryl-L-  
 arginyl-L-phenylalanyl-L-tryptophyl-L-seryl-L- $\alpha$ -aspartyl-L-leucyl-L-  
 seryl-L-alanylglycyl-L-alanyl-, trifluoroacetate (salt) (9CI) (CA INDEX  
 NAME)  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 15  
 NTE modified

type	-----	location	-----	description
terminal mod.	Pro-1	-		N-acetyl
terminal mod.	His-15	-		C-terminal amide
modification	-	-		undetermined modification

SEQ 1 PAFSRFWSDL SAGAH

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HITS AT: 2-10

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*.

MF C78 H108 N22 O21 . x C2 H F3 O2

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA CAplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

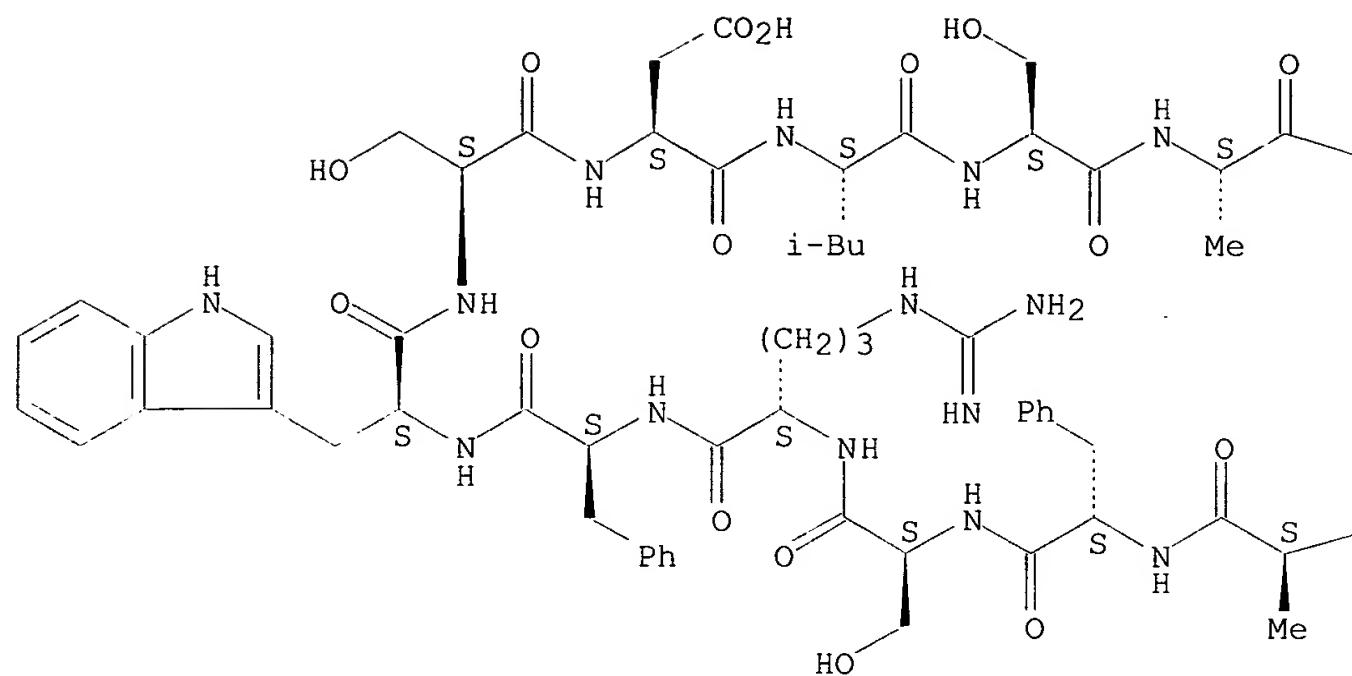
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CRN 201984-44-3

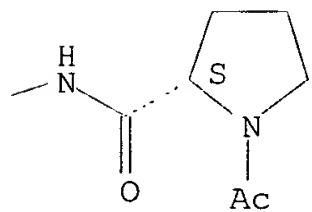
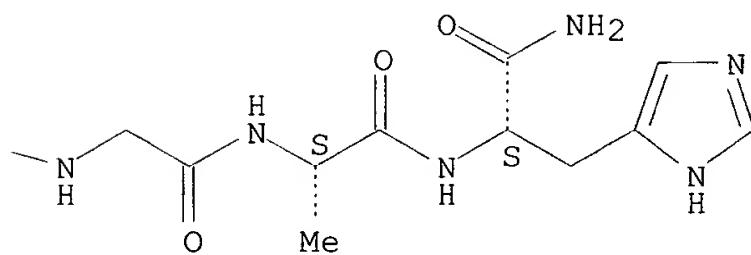
CMF C78 H108 N22 O21

Absolute stereochemistry.

PAGE 1-A

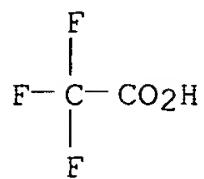


PAGE 1-B



CM 2

CRN 76-05-1  
CMF C2 H F3 O2



1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L17 ANSWER 14 OF 25 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 201984-43-2 REGISTRY  
 CN L-Tyrosinamide, 1-acetyl-L-prolyl-L-arginyl-L-prolyl-L-alanyl-L-leucyl-L-valyl-L-phenylalanyl-L-alanyl-L- $\alpha$ -aspartyl-L-tyrosyl-L-tryptophyl-L- $\alpha$ -glutamyl-L-threonyl-L-leucyl-, trifluoroacetate (salt) (9CI) (CA INDEX NAME)  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 15  
 NTE modified

type	-----	location	-----	description
terminal mod.	Pro-1	-		N-acetyl
terminal mod.	Tyr-15	-		C-terminal amide
modification	-	-		undetermined modification

SEQ 1 PRPALVFADY WETLY  
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HITS AT: 6-14

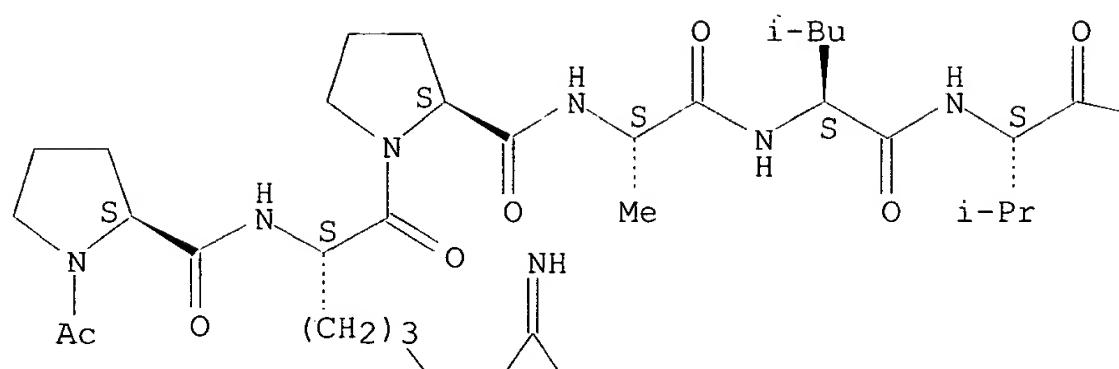
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 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
 DT.CA CAplus document type: Patent  
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

CM 1

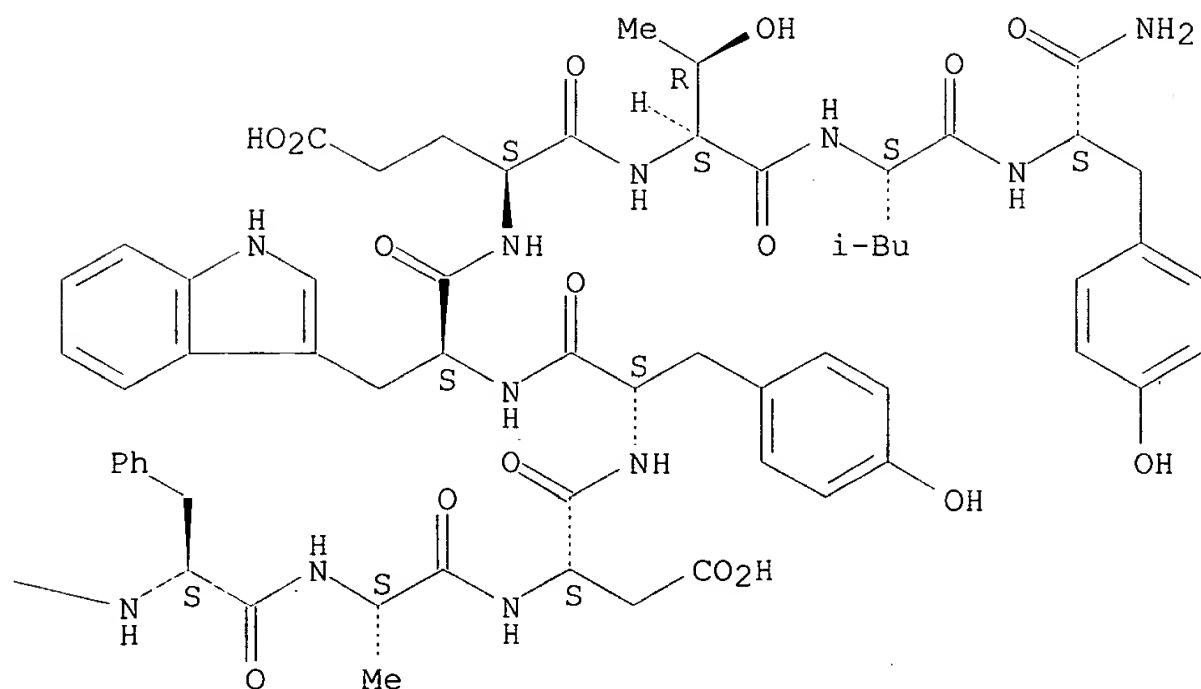
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Absolute stereochemistry.

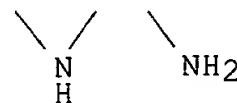
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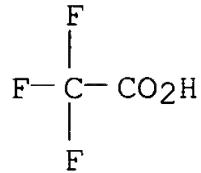
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PAGE 2-A



CM 2

CRN 76-05-1  
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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 RN 201984-41-0 REGISTRY  
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 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 15  
 NTE modified

type	----- location -----	description
terminal mod.	Ile-1	N-acetyl
terminal mod.	Val-15	C-terminal amide
modification	-	undetermined modification

SEQ 1 IDRAPTFRDH WFALV  
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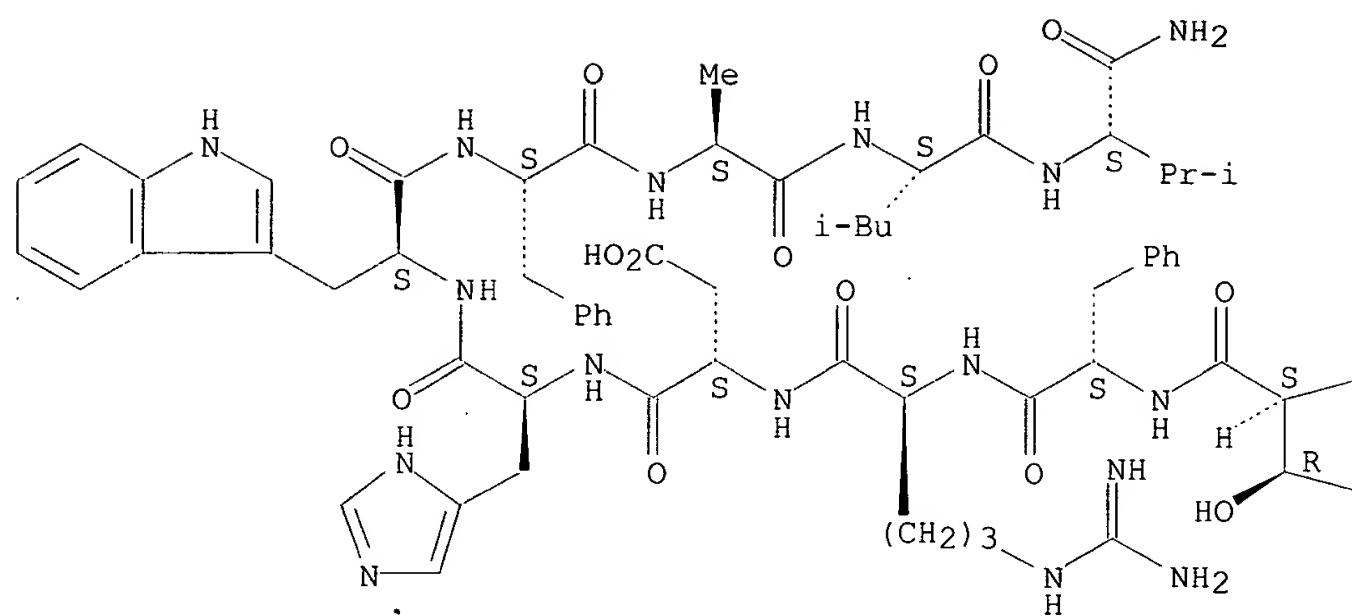
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 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
 DT.CA CAplus document type: Patent  
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

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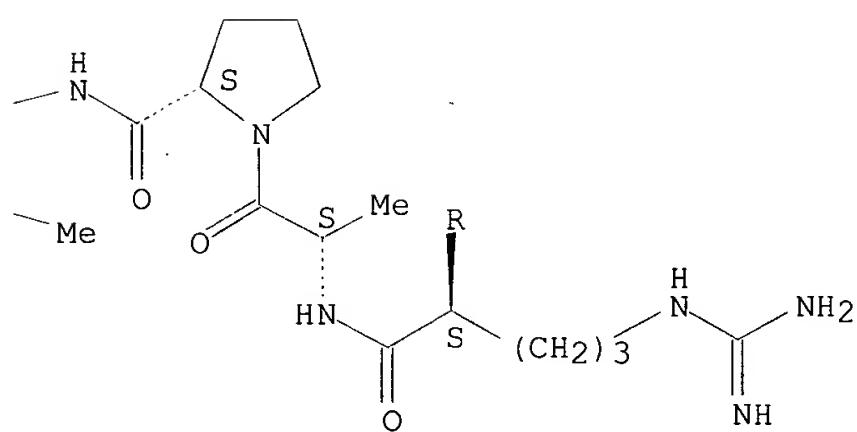
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CMF C89 H129 N25 O21

Absolute stereochemistry.

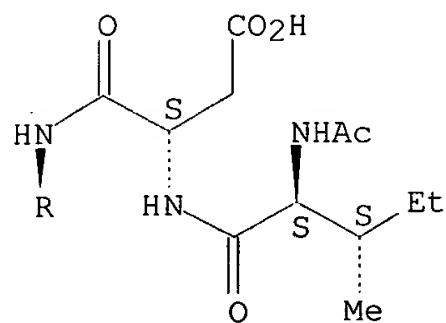
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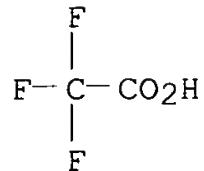
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CM 2

CRN 76-05-1  
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L17 ANSWER 16 OF 25 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 201984-39-6 REGISTRY  
 CN L-Phenylalaninamide, N-acetyl-L-valyl-L-glutaminyl-L-asparaginyl-L-phenylalanyl-L-isoleucyl-L- $\alpha$ -aspartyl-L-tyrosyl-L-tryptophyl-L-threonyl-L-glutaminyl-L-glutaminyl- (9CI) (CA INDEX NAME)  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 12  
 NTE modified

type	-----	location	-----	description
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terminal mod.	Phe-12	-		C-terminal amide

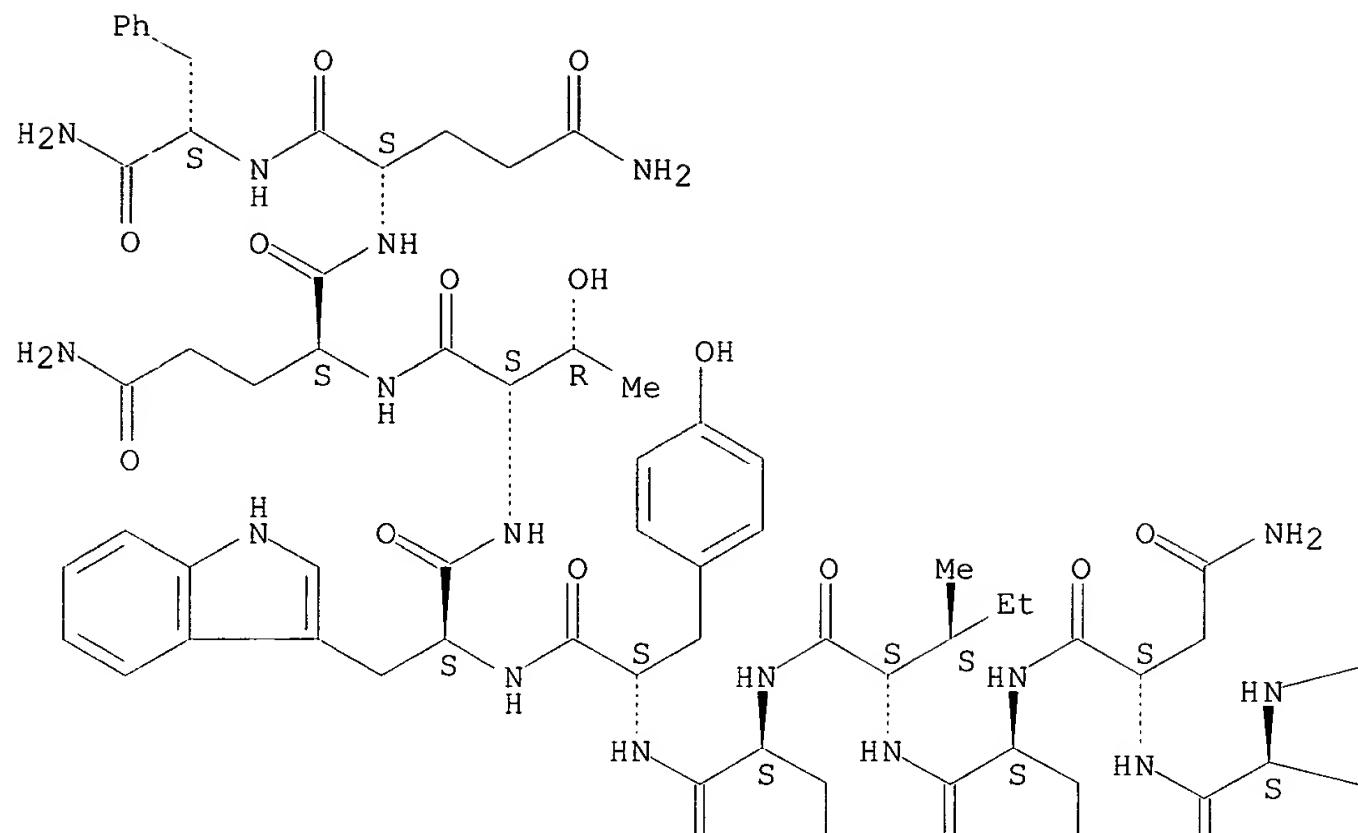
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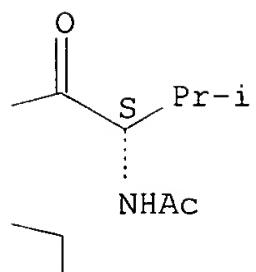
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 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
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 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

Absolute stereochemistry.

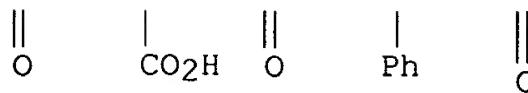
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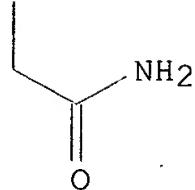
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PAGE 2-A



PAGE 2-B



1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L17 ANSWER 17 OF 25 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 201984-22-7 REGISTRY  
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 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 12  
 NTE modified

type	-----	location	-----	description
terminal mod.	Met-1	-		N-acetyl
terminal mod.	Asn-12	-		C-terminal amide
modification	-	-		undetermined modification

SEQ 1 MPRFMDYWEG LN  
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HITS AT: 3-11

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

MF C73 H102 N18 O19 S2 . x C2 H F3 O2

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA CAplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

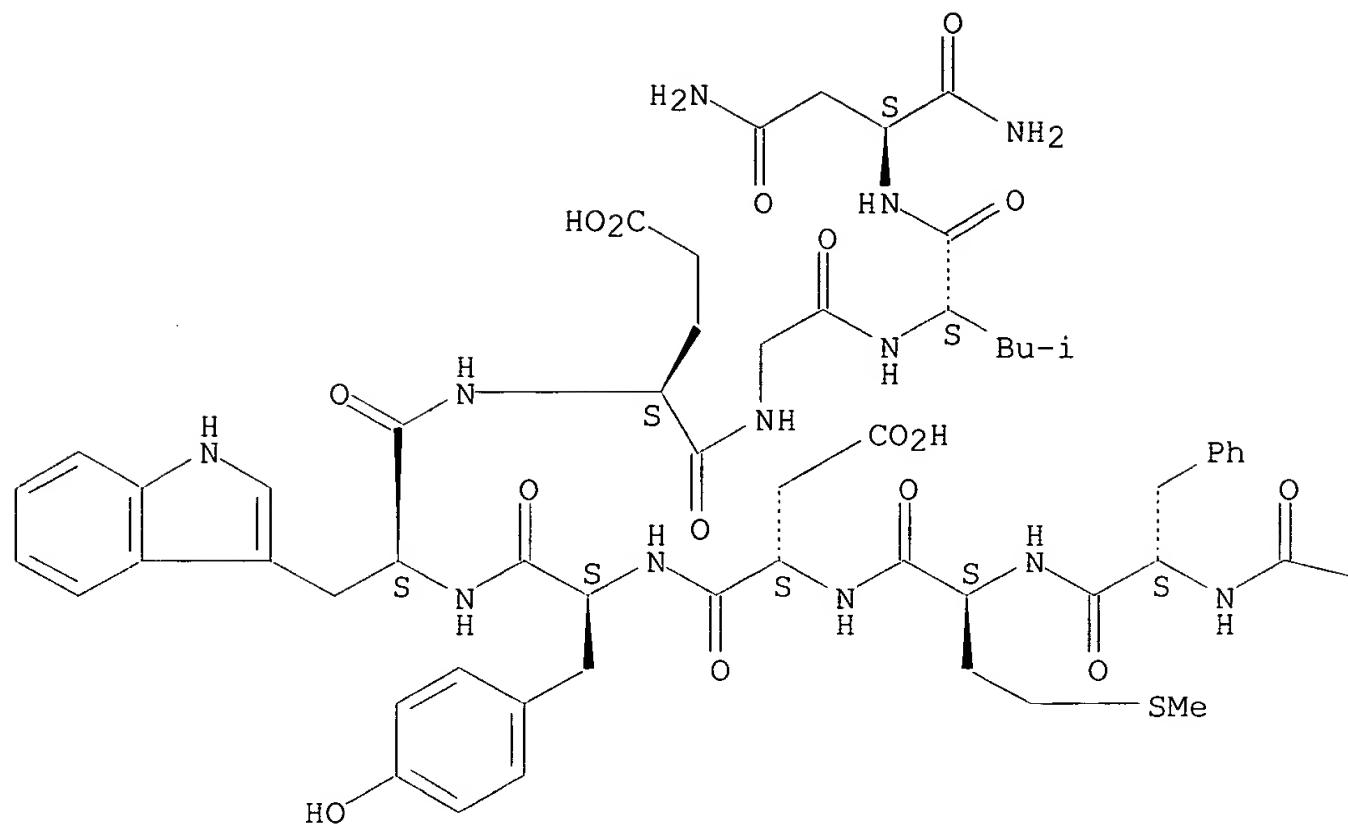
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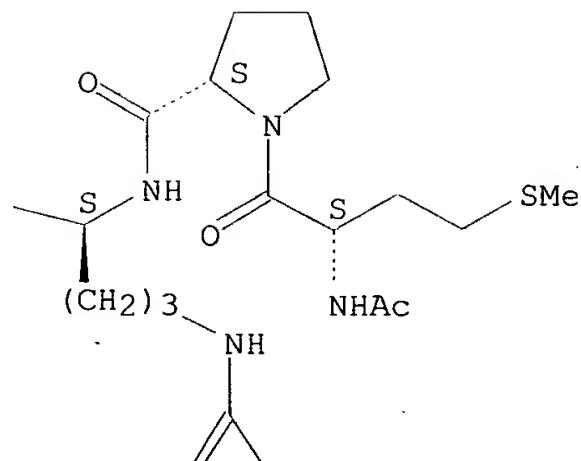
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Absolute stereochemistry.

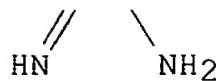
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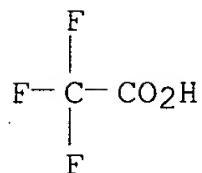
PAGE 1-B



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CM 2

CRN 76-05-1  
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L17 ANSWER 18 OF 25 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 201984-21-6 REGISTRY  
 CN L-Aspartamide, N-acetyl-L-methionyl-L-prolyl-L-arginyl-L-phenylalanyl-L-methionyl-L- $\alpha$ -aspartyl-L-tyrosyl-L-tryptophyl-L- $\alpha$ -glutamylglycyl-L-leucyl- (9CI) (CA INDEX NAME)  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 12  
 NTE modified

type	-----	location	-----	description
terminal mod.	Met-1	-		N-acetyl
terminal mod.	Asn-12	-		C-terminal amide

SEQ 1 MPRFMDYWEG LN

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HITS AT: 3-11

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

MF C73 H102 N18 O19 S2

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SR CA

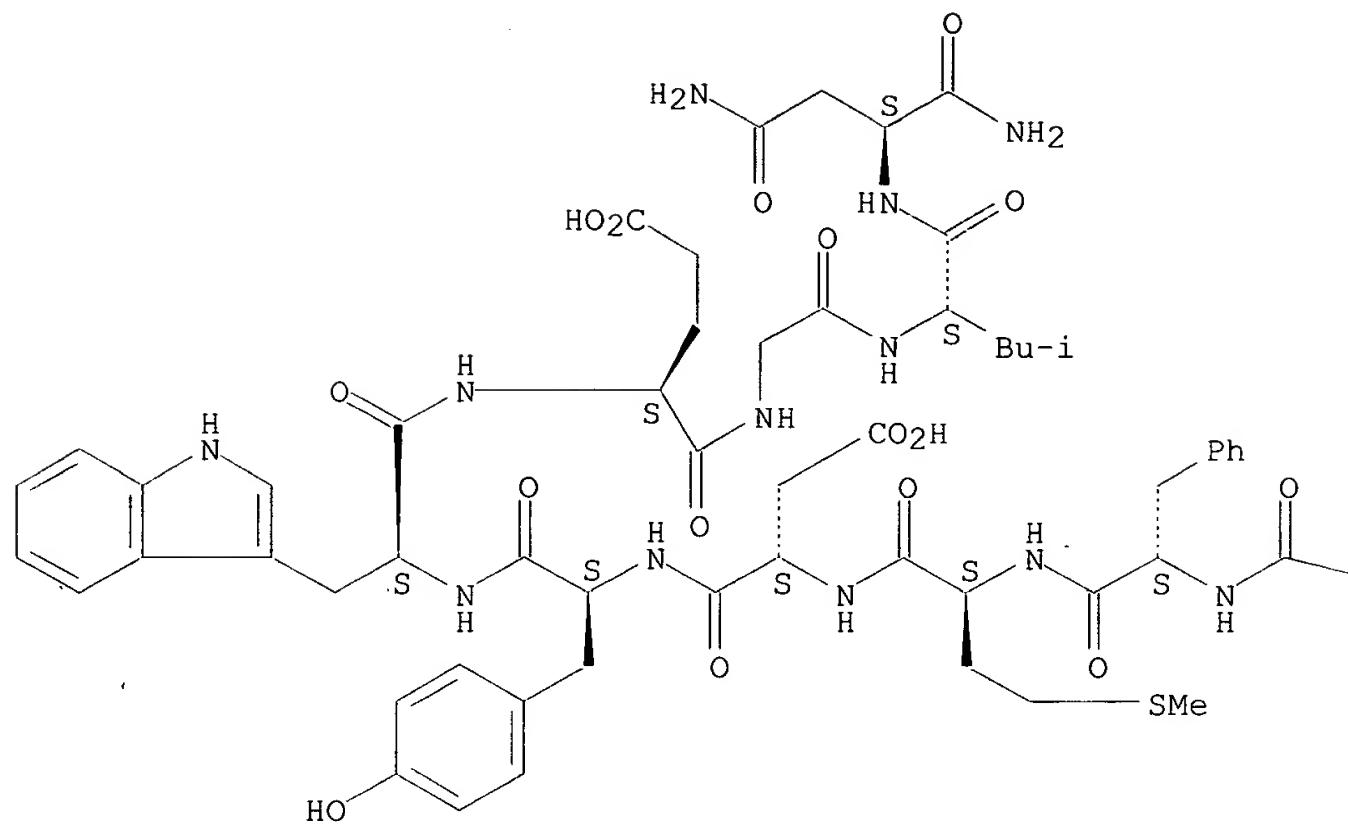
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DT.CA CAplus document type: Conference; Journal

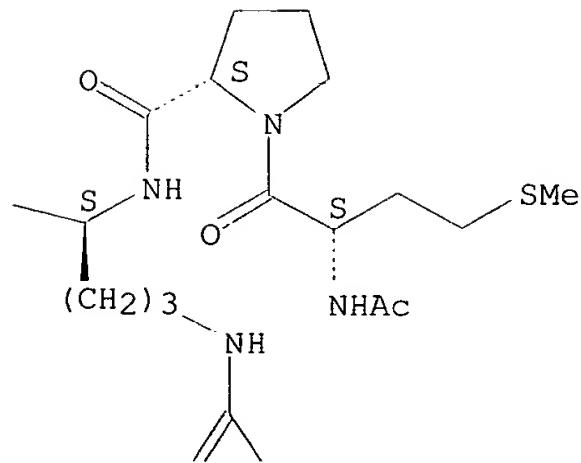
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Absolute stereochemistry.

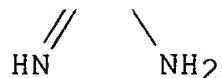
PAGE 1-A



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2 REFERENCES IN FILE CA (1907 TO DATE)  
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L17 ANSWER 19 OF 25 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 201984-20-5 REGISTRY  
 CN L-Phenylalaninamide, N-acetyl-L-threonylglycyl-L-proyl-L-alanyl-L-phenylalanyl-L-threonyl-L-histidyl-L-tyrosyl-L-tryptophyl-L-alanyl-L-threonyl-, trifluoroacetate (salt) (9CI) (CA INDEX NAME)  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 12  
 NTE modified

---

type	-----	location	-----	description
terminal mod.	Thr-1	-		N-acetyl
terminal mod.	Phe-12	-		C-terminal amide
modification	-	-		undetermined modification

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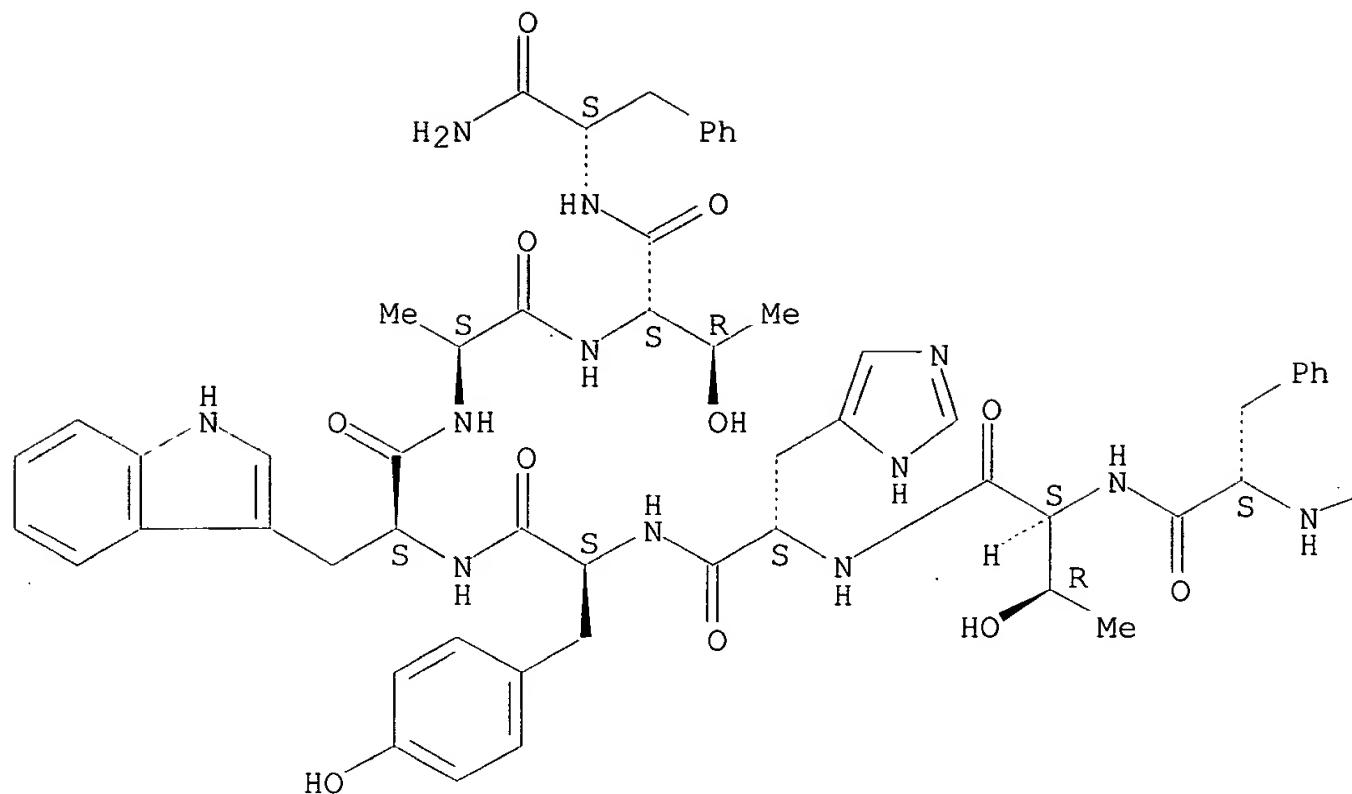
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 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
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 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

CM 1

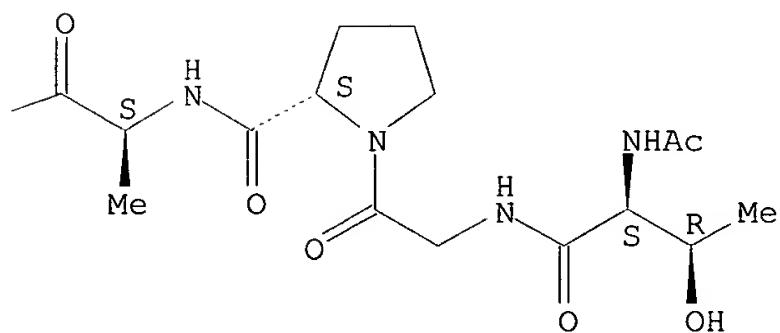
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Absolute stereochemistry.

PAGE 1-A

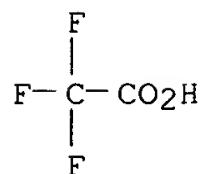


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CM 2

CRN 76-05-1  
CMF C2 H F3 O2



1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L17 ANSWER 20 OF 25 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 186180-25-6 REGISTRY  
 CN L-Histidine, L-prolyl-L-alanyl-L-phenylalanyl-L-seryl-L-arginyl-L-phenylalanyl-L-tryptophyl-L-seryl-L- $\alpha$ -aspartyl-L-leucyl-L-seryl-L-alanylglycyl-L-alanyl- (9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN 107: PN: WO0024782 SEQID: 140 claimed sequence  
 CN 623: PN: WO03084477 PAGE: 45 claimed sequence  
 CN 636: PN: WO2004002417 SEQID: 787 claimed sequence  
 CN 663: PN: WO2004002424 SEQID: 787 claimed sequence  
 CN 725: PN: WO0183525 TABLE: 13 claimed protein  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 15

## PATENT ANNOTATIONS (PNTE):

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	WO2001083525
	claimed
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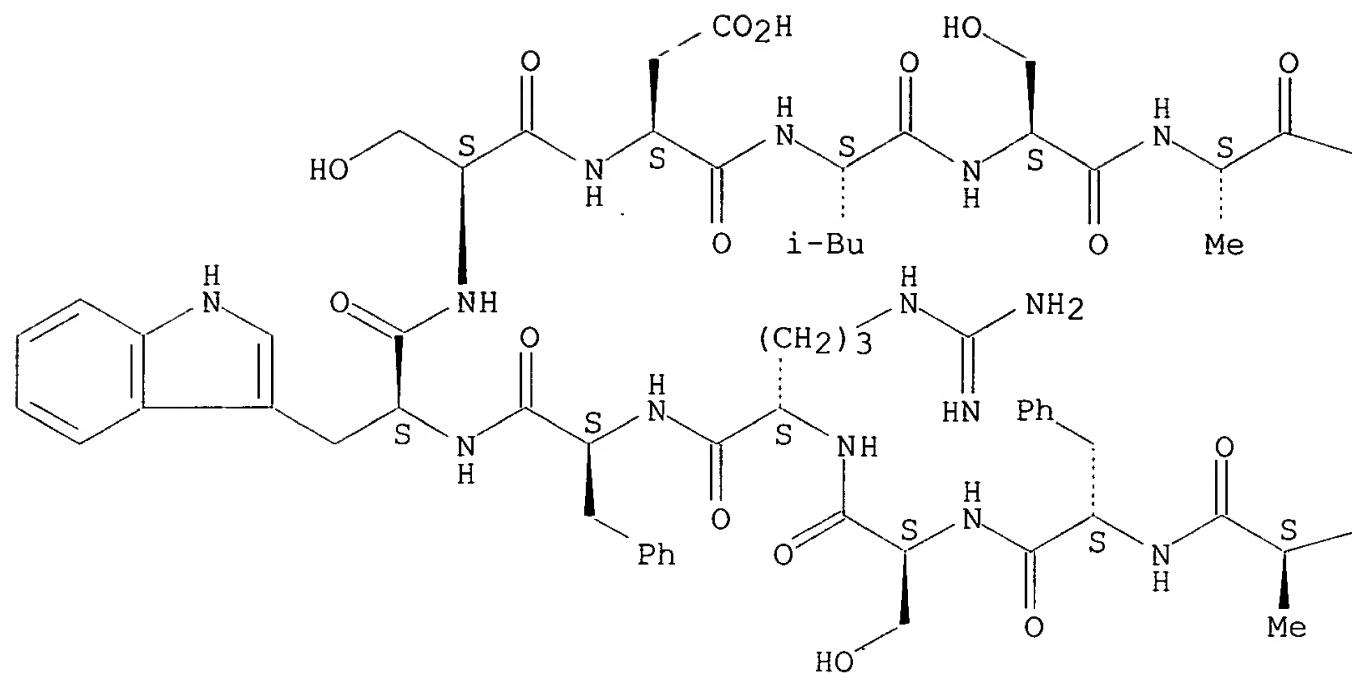
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## \*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

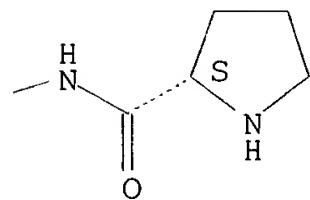
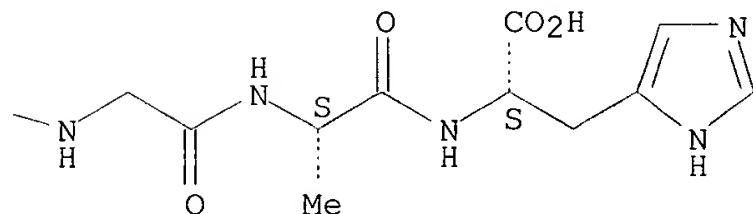
MF C76 H105 N21 O21  
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 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
 DT.CA CAplus document type: Journal; Patent  
 RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)  
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)  
 RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.

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6 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L17 ANSWER 21 OF 25 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 186180-24-5 REGISTRY  
 CN L-Tyrosine, L-proyl-L-arginyl-L-proyl-L-alanyl-L-leucyl-L-valyl-L-phenylalanyl-L-alanyl-L- $\alpha$ -aspartyl-L-tyrosyl-L-tryptophyl-L- $\alpha$ -glutamyl-L-threonyl-L-leucyl- (9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN 106: PN: WO0024782 SEQID: 139 claimed sequence  
 CN 622: PN: WO03084477 PAGE: 45 claimed sequence

CN 635: PN: WO2004002417 SEQID: 786 claimed sequence  
CN 662: PN: WO2004002424 SEQID: 786 claimed sequence  
CN 724: PN: WO0183525 TABLE: 13 claimed protein  
FS PROTEIN SEQUENCE; STEREOSEARCH  
SQL 15

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	WO2001083525
	claimed
	TABLE 13

SEQ 1 PRPALVFADY WETLY  
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HITS AT: 6-14

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

MF C90 H125 N19 O23

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA CAplus document type: Journal; Patent

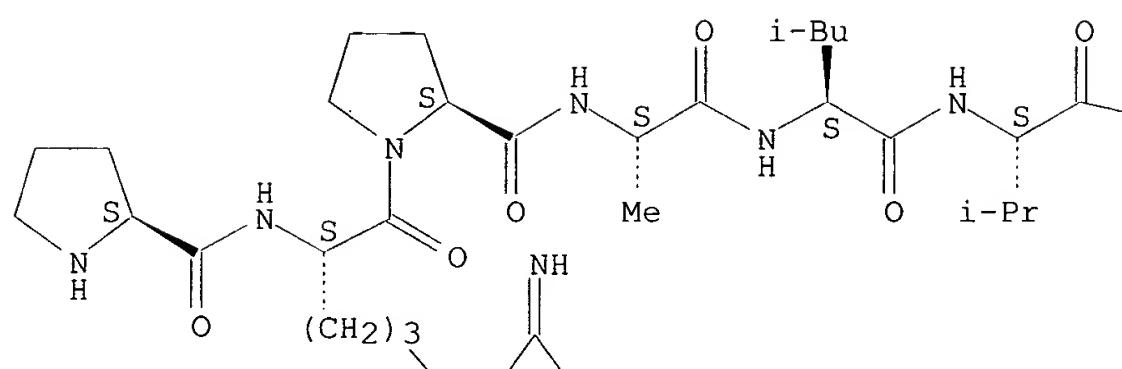
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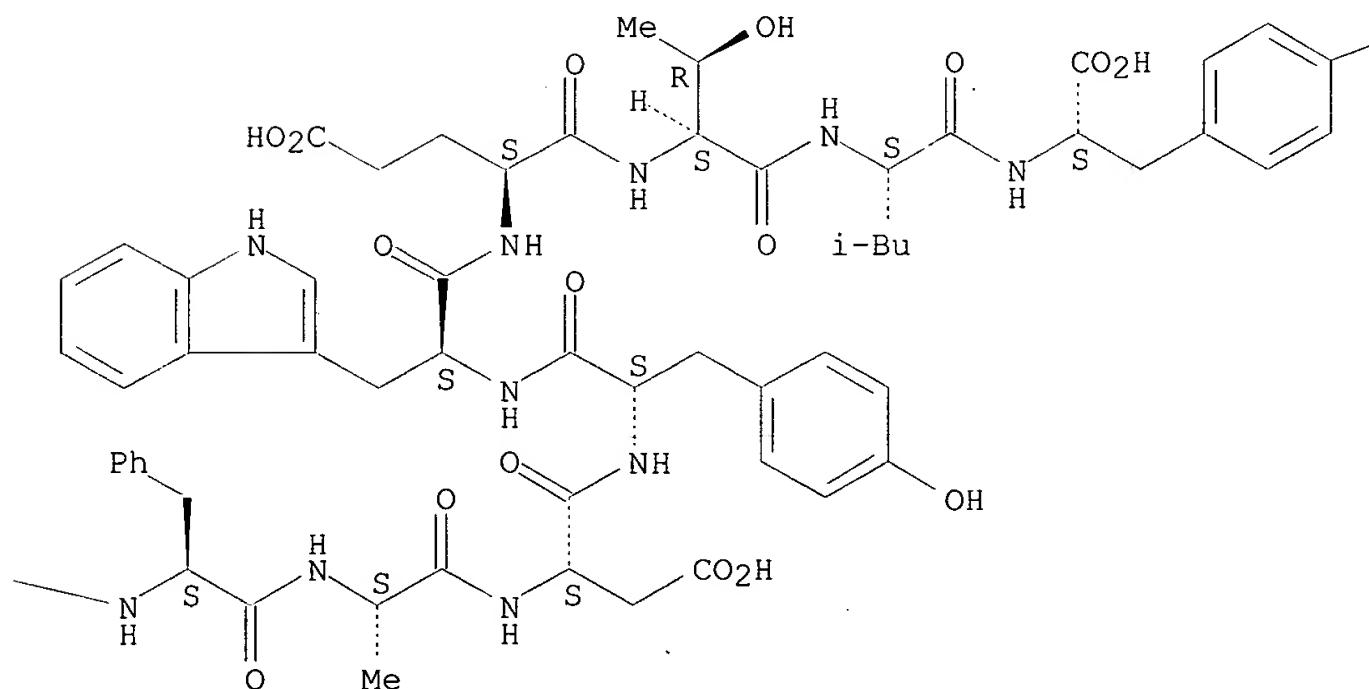
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.

PAGE 1-A



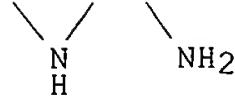
PAGE 1-B



PAGE 1-C

—OH

PAGE 2-A



6 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L17 ANSWER 22 OF 25 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 186180-23-4 REGISTRY  
 CN L-Valine, L-isoleucyl-L- $\alpha$ -aspartyl-L-arginyl-L-alanyl-L-prolyl-L-threonyl-L-phenylalanyl-L-arginyl-L- $\alpha$ -aspartyl-L-histidyl-L-tryptophyl-L-phenylalanyl-L-alanyl-L-leucyl- (9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN 105: PN: WO0024782 SEQID: 138 claimed sequence  
 CN 621: PN: WO03084477 PAGE: 45 claimed sequence  
 CN 634: PN: WO2004002417 SEQID: 785 claimed sequence  
 CN 661: PN: WO2004002424 SEQID: 785 claimed sequence  
 CN 723: PN: WO0183525 TABLE: 13 claimed protein  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 15

## PATENT ANNOTATIONS (PNTE):

Sequence	Patent
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	WO2001083525
	claimed
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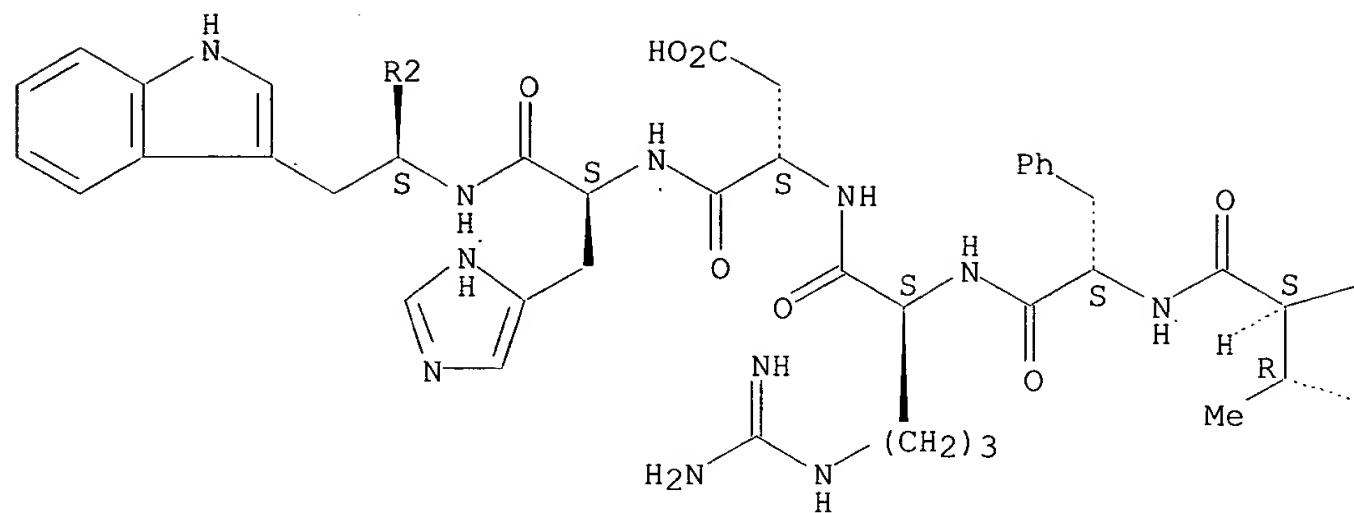
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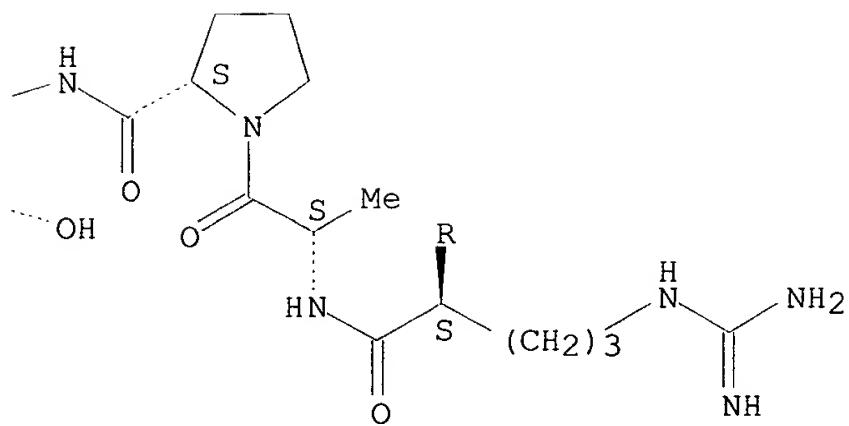
MF C87 H126 N24 O21  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
 DT.CA CAplus document type: Journal; Patent  
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 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)  
 RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.

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\*\*RELATED SEQUENCES AVAILABLE WITH SEOLINK\*\*

RELATED SEQUENCES

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA CAPplus document type: Journal; Patent

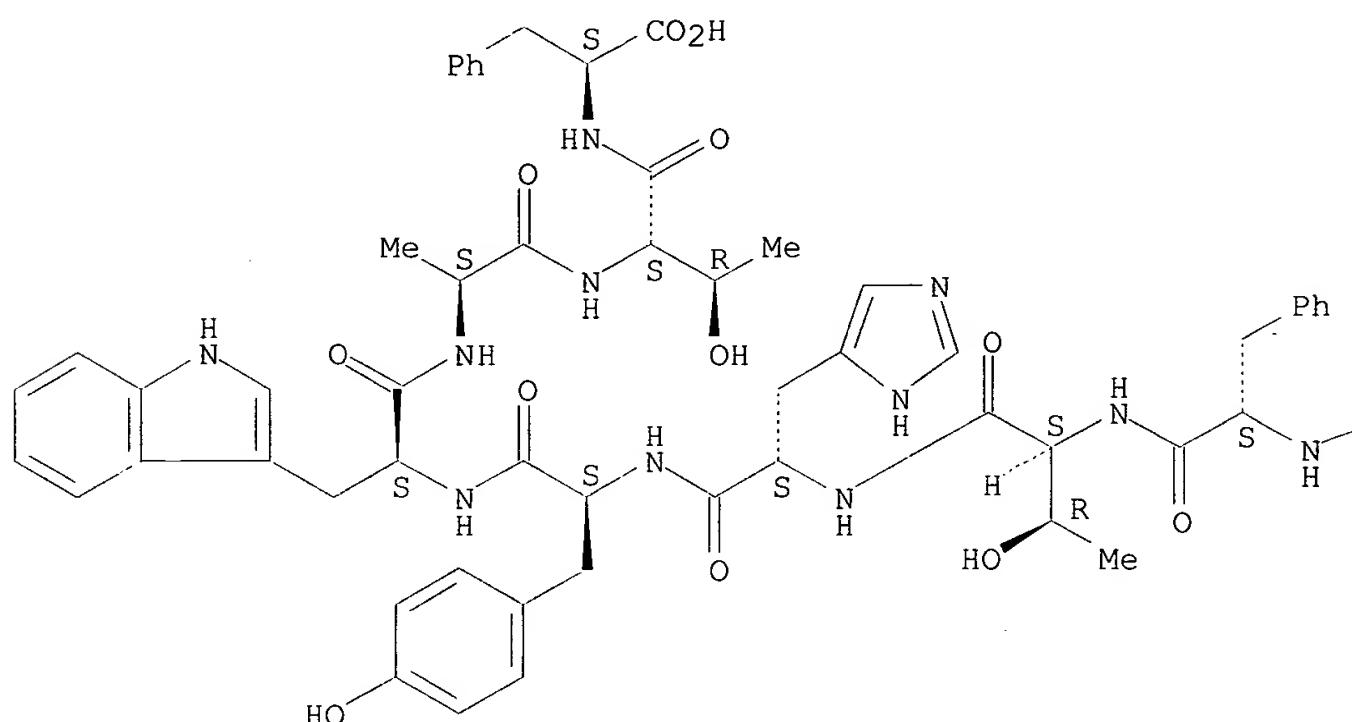
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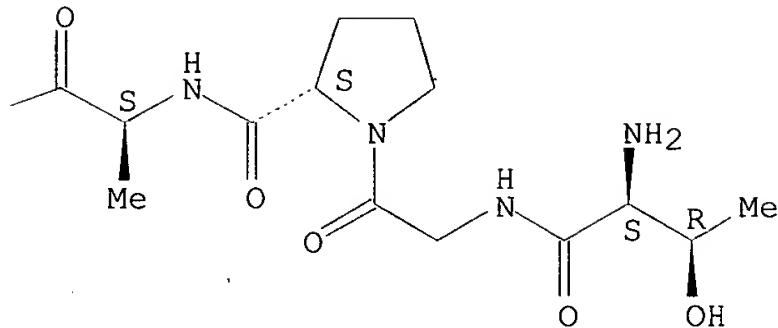
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)

RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

## Absolute stereochemistry.

PAGE 1-A





6 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L17 ANSWER 24 OF 25 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 186180-21-2 REGISTRY  
 CN L-Phenylalanine, L-valyl-L-glutaminyl-L-asparaginyl-L-phenylalanyl-L-isoleucyl-L- $\alpha$ -aspartyl-L-tyrosyl-L-tryptophyl-L-threonyl-L-glutaminyl-L-glutaminyl- (9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN 103: PN: WO0024782 SEQID: 136 claimed sequence  
 CN 619: PN: WO03084477 PAGE: 45 claimed sequence  
 CN 632: PN: WO2004002417 SEQID: 783 claimed sequence  
 CN 659: PN: WO2004002424 SEQID: 783 claimed sequence  
 CN 721: PN: WO0183525 TABLE: 13 claimed protein  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 12

## PATENT ANNOTATIONS (PNTE):

Sequence	Patent
Source	Reference
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Not Given	WO2000024782
	claimed
	SEQID 136
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	WO2001083525
	claimed
	TABLE 13

SEQ 1 VQNFIDYWTQ QF

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HITS AT: 3-11

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

MF C76 H101 N17 O21

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA CAplus document type: Journal; Patent

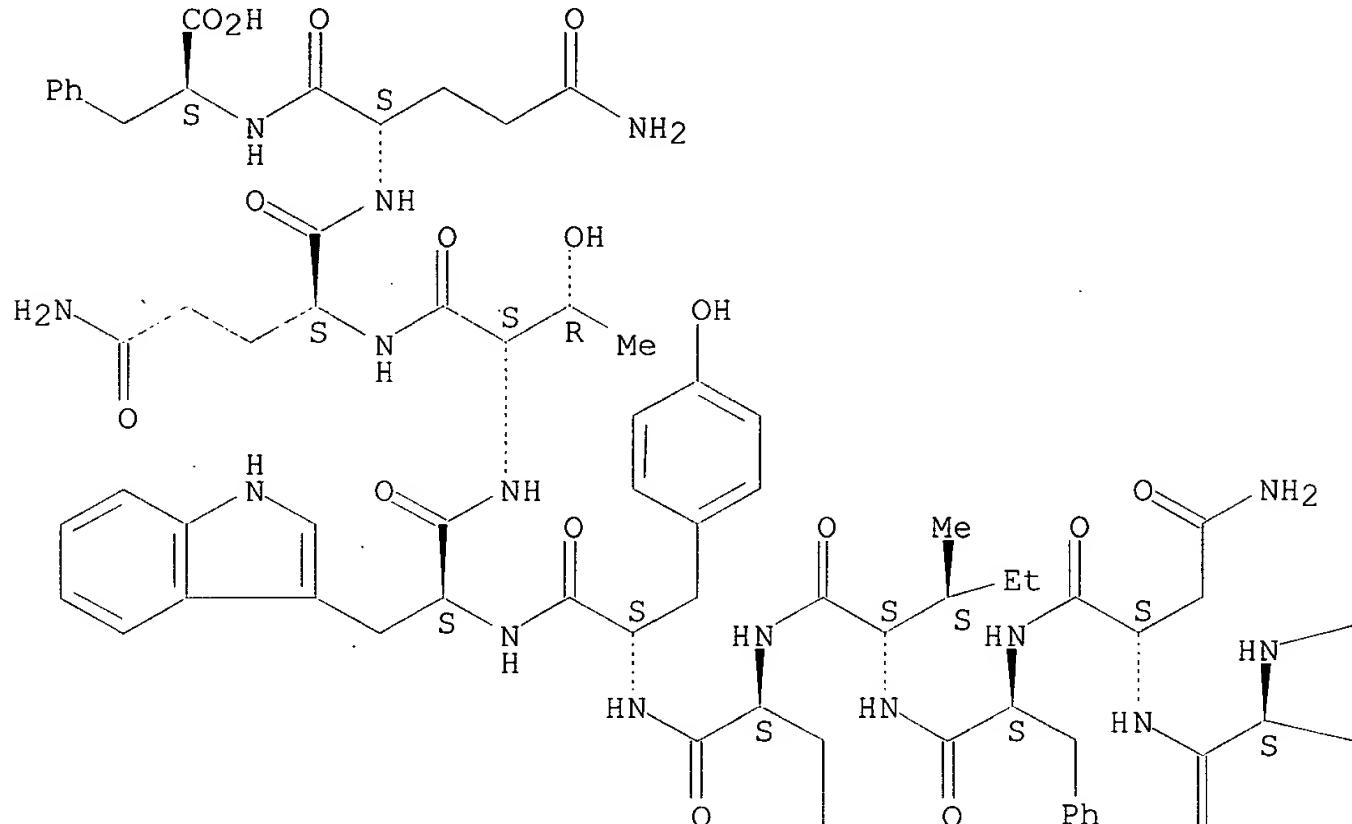
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)

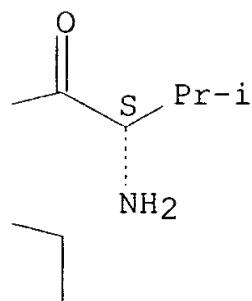
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.

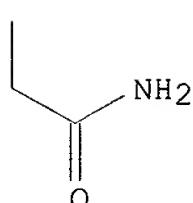
PAGE 1-A



PAGE 1-B



PAGE 2-B



6 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L17 ANSWER 25 OF 25 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 186180-20-1 REGISTRY  
CN L-Asparagine, L-methionyl-L-prolyl-L-arginyl-L-phenylalanyl-L-methionyl-L-  
α-aspartyl-L-tyrosyl-L-tryptophyl-L-α-glutamylglycyl-L-leucyl-  
(9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 102: PN: WO0024782 SEQID: 135 claimed sequence  
CN 1: PN: WO03095625 SEQID: 1 unclaimed protein

CN 618: PN: WO03084477 PAGE: 45 claimed sequence  
CN 631: PN: WO2004002417 SEQID: 782 claimed sequence  
CN 658: PN: WO2004002424 SEQID: 782 claimed sequence  
CN 720: PN: WO0183525 TABLE: 13 claimed protein  
FS PROTEIN SEQUENCE; STEREOSEARCH  
SQL 12

PATENT ANNOTATIONS (PNTE):

## Sequence | Patent

### Source | Reference

=====+=====

Not Given | WO2000024782

| claimed

| SEOID 13

SEARCH 100

WO2001083525

1.200000  
|claimed

TABLE 11

SEQ 1 MPRFMDYWEG LN  
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\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

MF C71 H99 N17 O19 S2

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA CAplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)

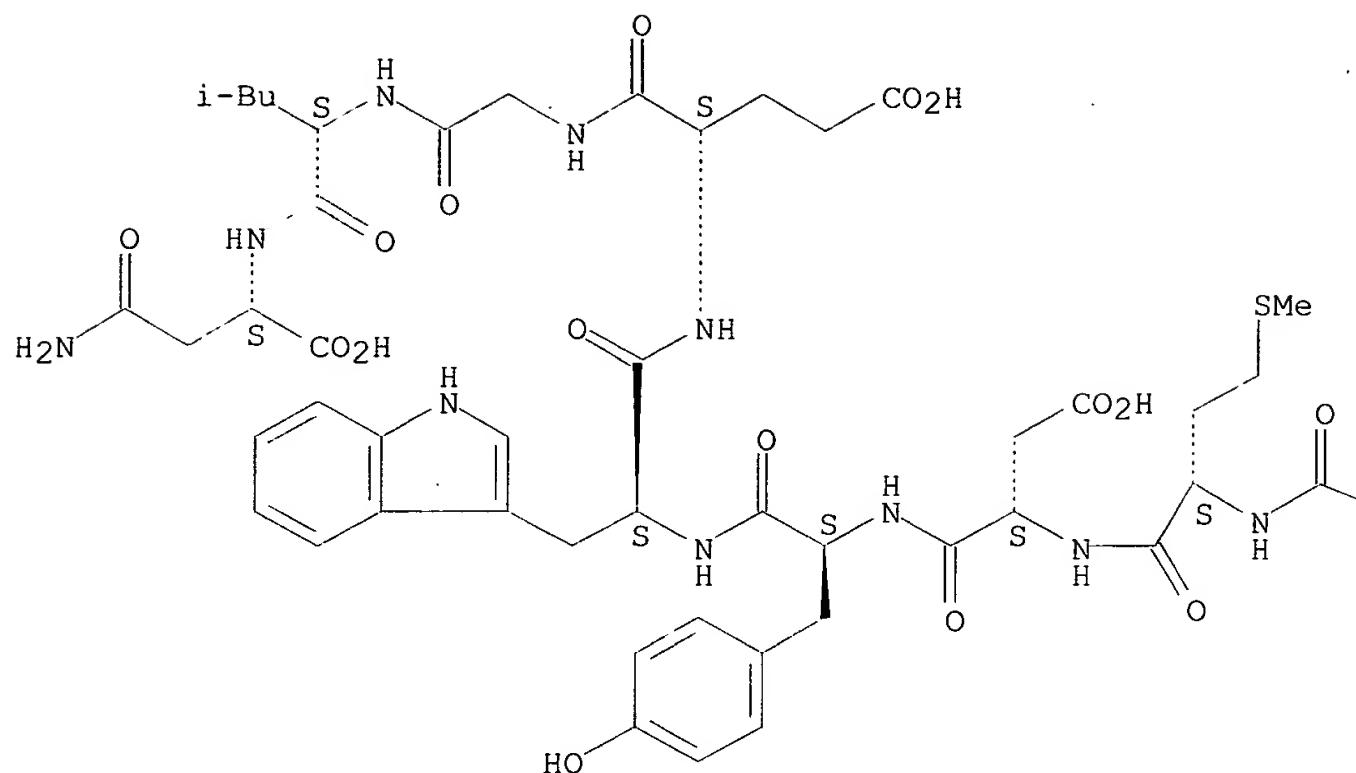
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)

RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

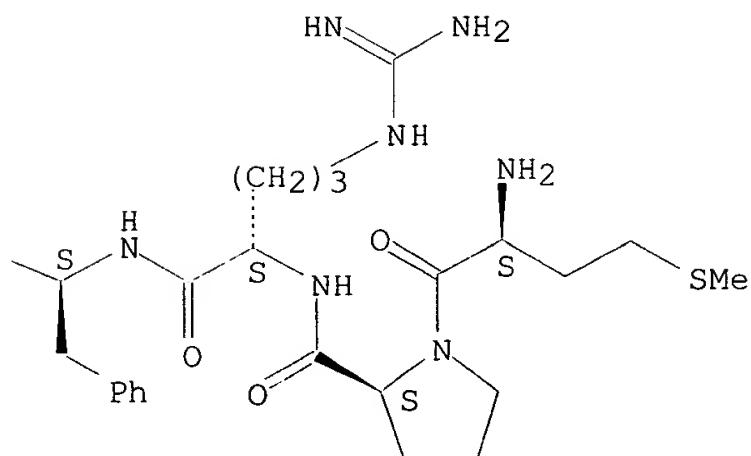
## Absolute stereochemistry.

## Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



8 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
8 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> fil hcaplus  
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FILE COVERS 1907 - 14 Oct 2004 VOL 141 ISS 16  
FILE LAST UPDATED: 13 Oct 2004 (20041013/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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L4      11 SEA FILE=HCAPLUS BOTTGER V?/AU
L5      58 SEA FILE=HCAPLUS BOTTGER A?/AU
L6      29 SEA FILE=HCAPLUS PICKSLEY S?/AU
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L8      118 SEA FILE=HCAPLUS ("GARCIA ECHARRI A"/AU OR "GARCIA ECHEVERRIA"/
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          OR "GARCIA ECHEVERRIA CARLOS GARCIA"/AU)
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L16     1349 SEA FILE=REGISTRY L15
L17     25 SEA FILE=REGISTRY L1 AND L16
L18     12 SEA FILE=HCAPLUS L17 AND L14
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L18 ANSWER 1 OF 12 HCAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 2003:913286 HCAPLUS  
DOCUMENT NUMBER: 140:776  
TITLE: Method using benzodiazepine compounds for
 cytoprotection through MDM2 and HDM2
 inhibition  
INVENTOR(S): Koblish, Holly K.; Manthey, Carl L.; Molloy,
 Christopher J.; Lu, Tianbao; Parks, Daniel J. ;
 Lafrance, Luis V., III; Milkiewicz, Karen L.; Carver,
 Ted; Grasberger, Bruce L.